

1

Figure 1

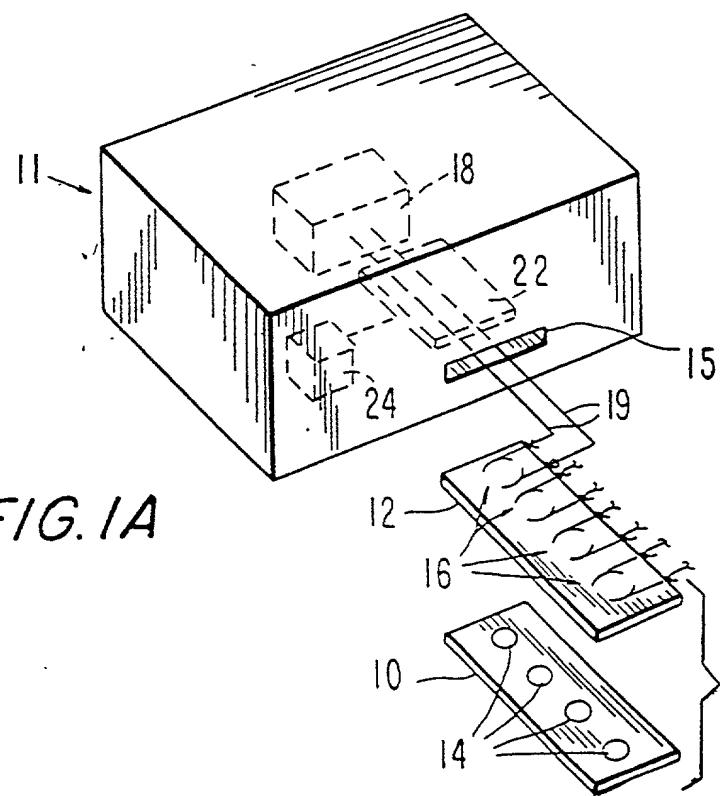
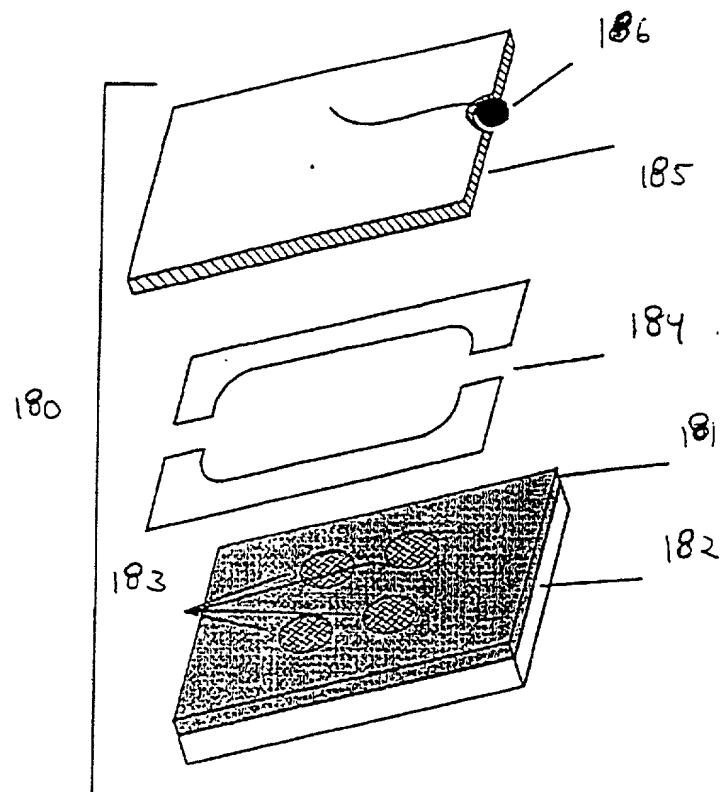
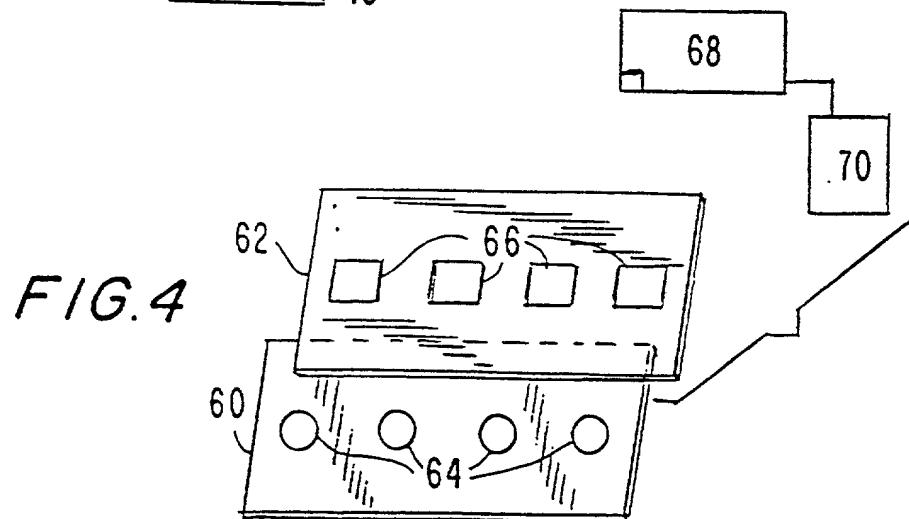
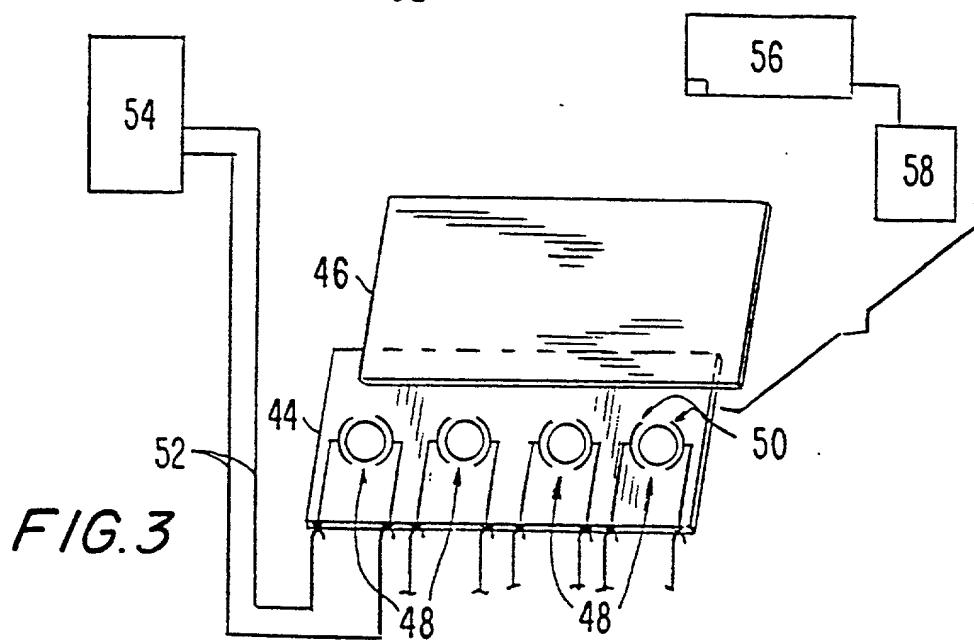
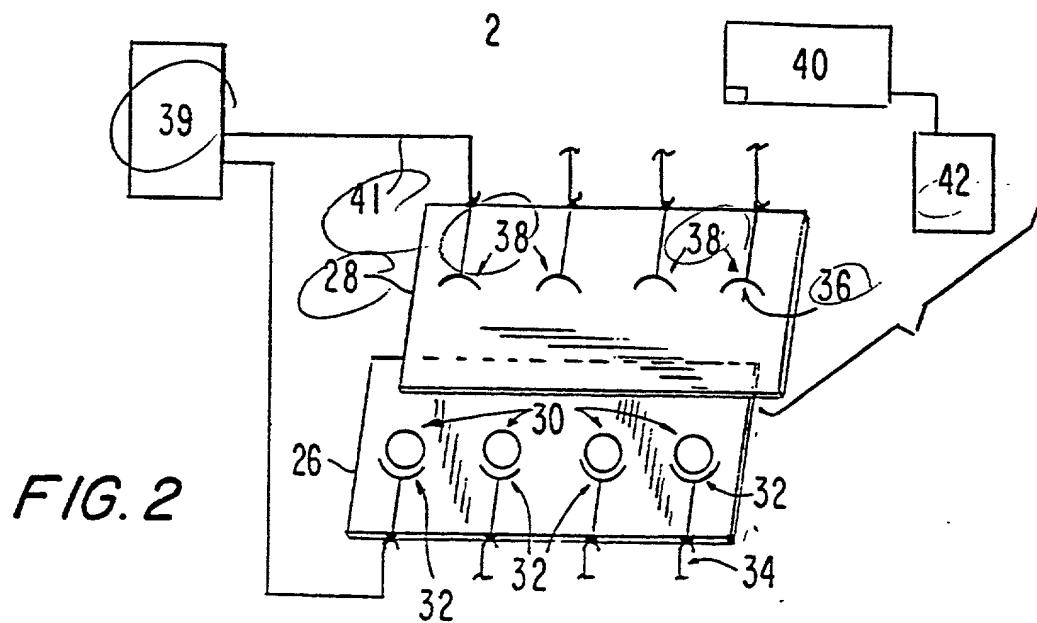


FIG. 1A



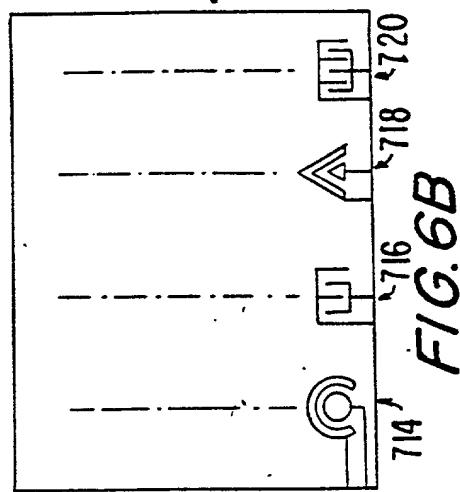
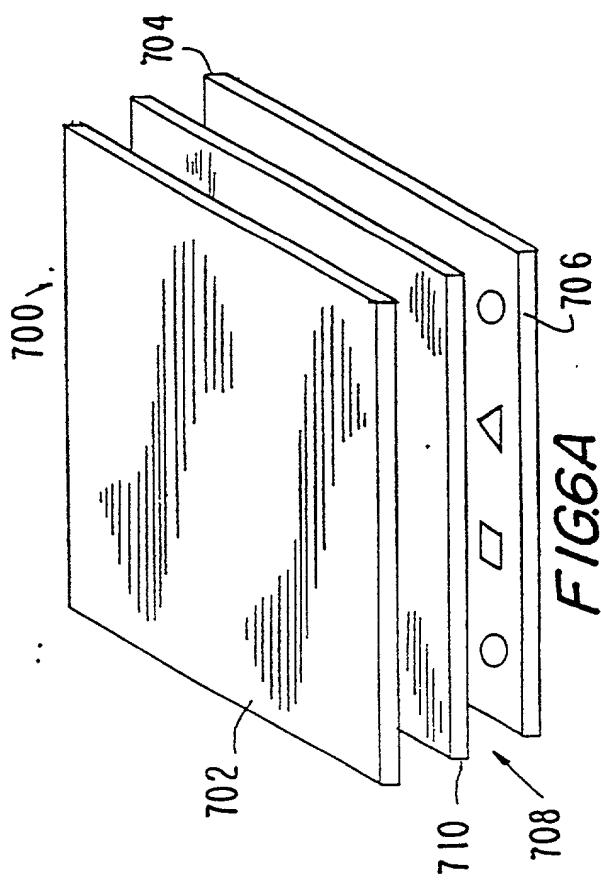
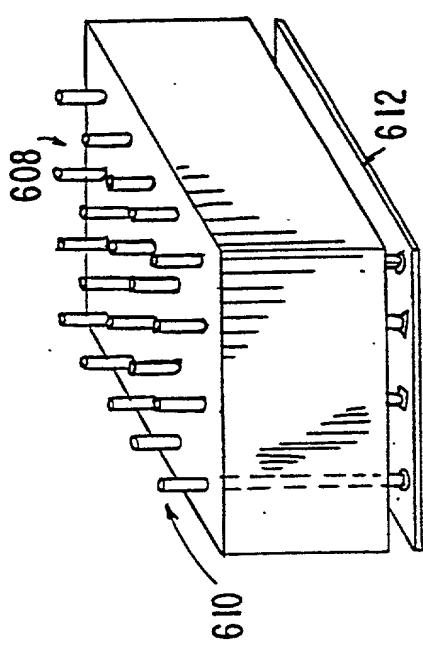
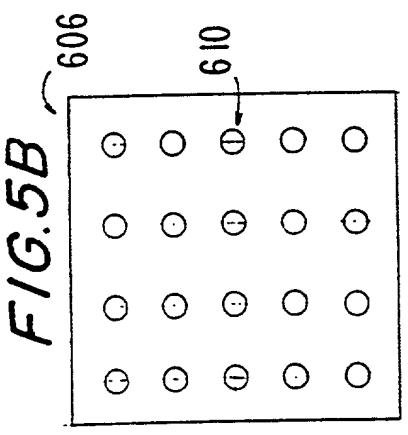
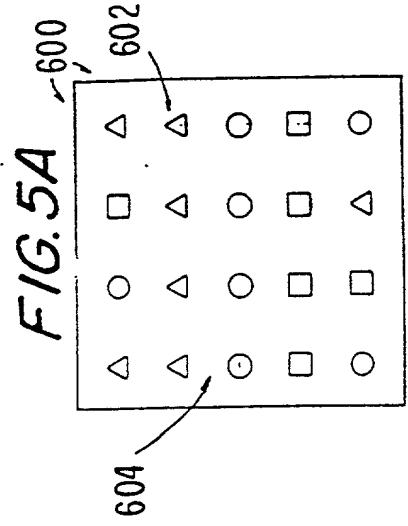


FIG. 7

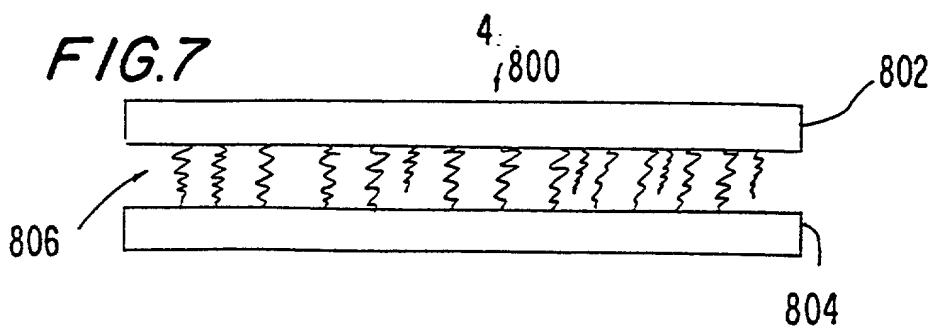


FIG. 8

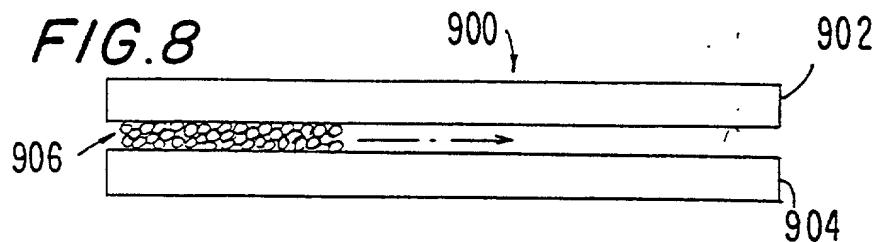


FIG. 9

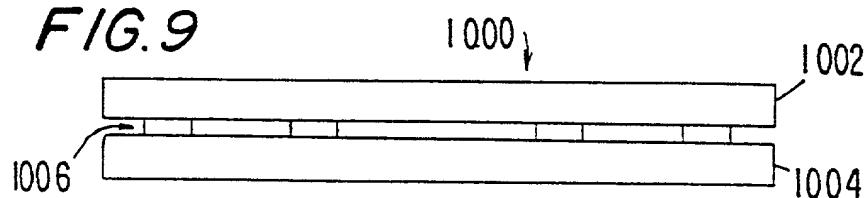


FIG. 10

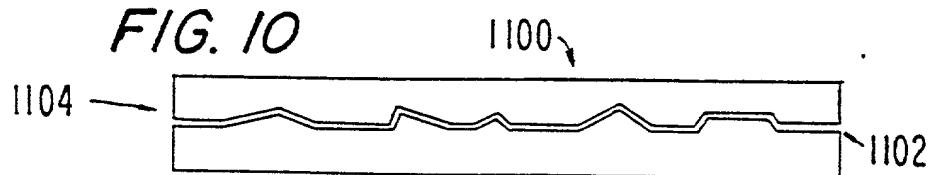


FIG. 11

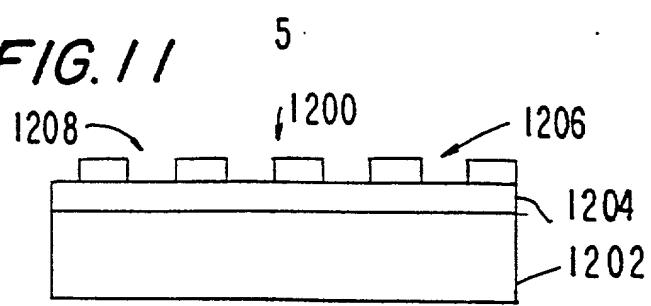


FIG. 12

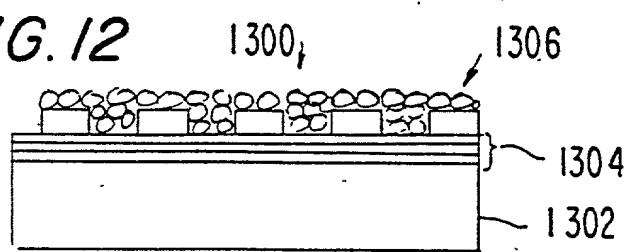
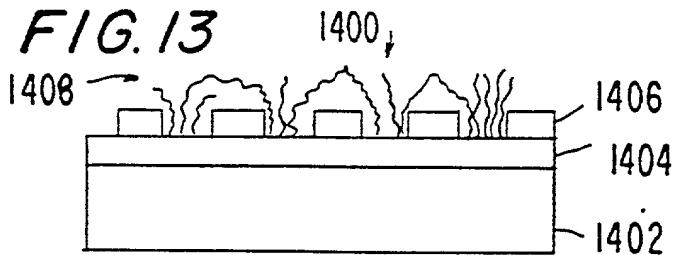


FIG. 13



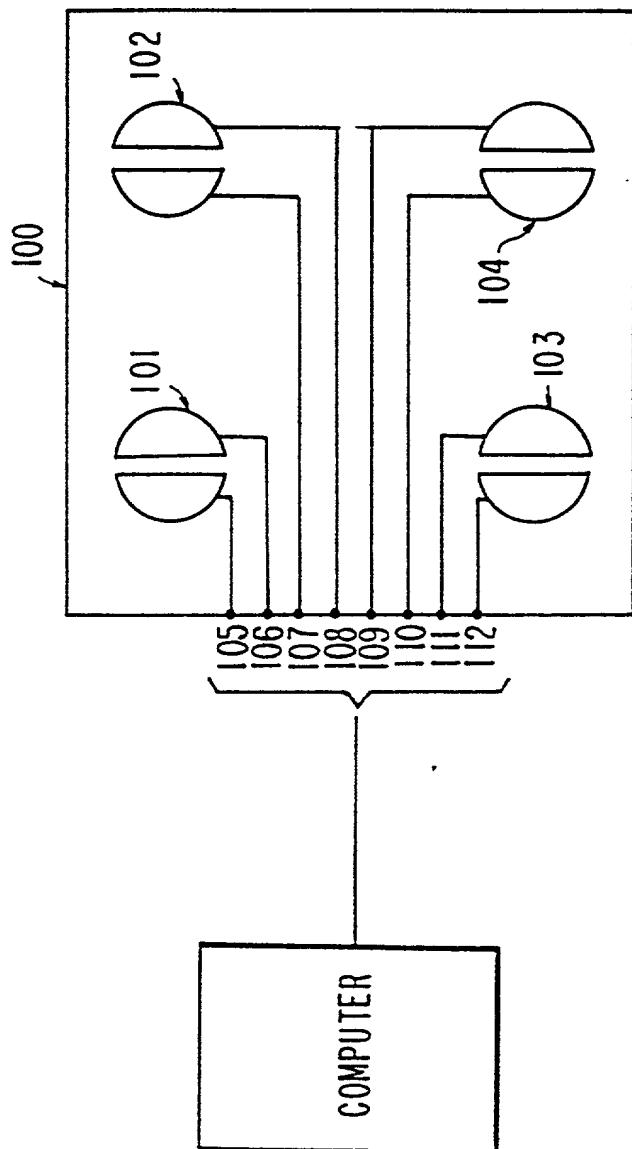


FIG. 14

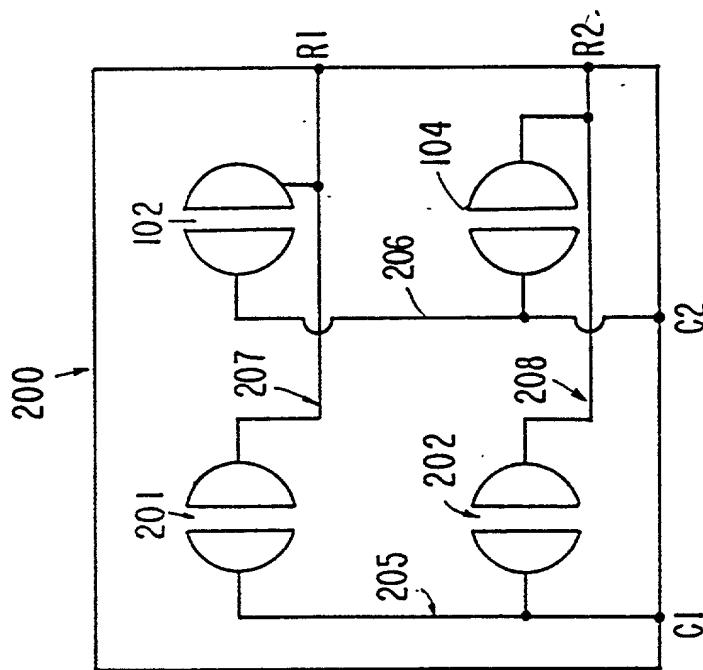


FIG. 15

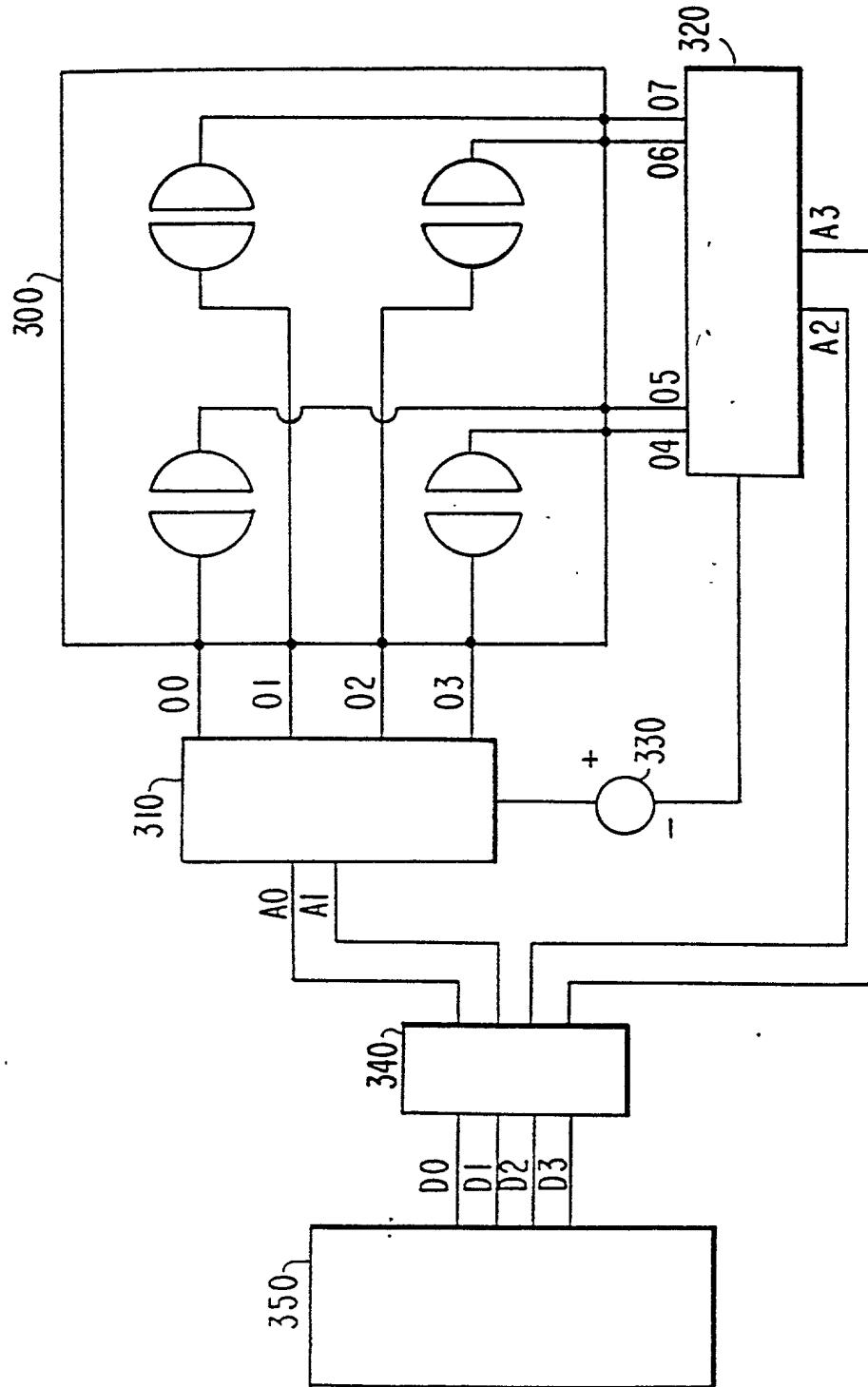


FIG. 16

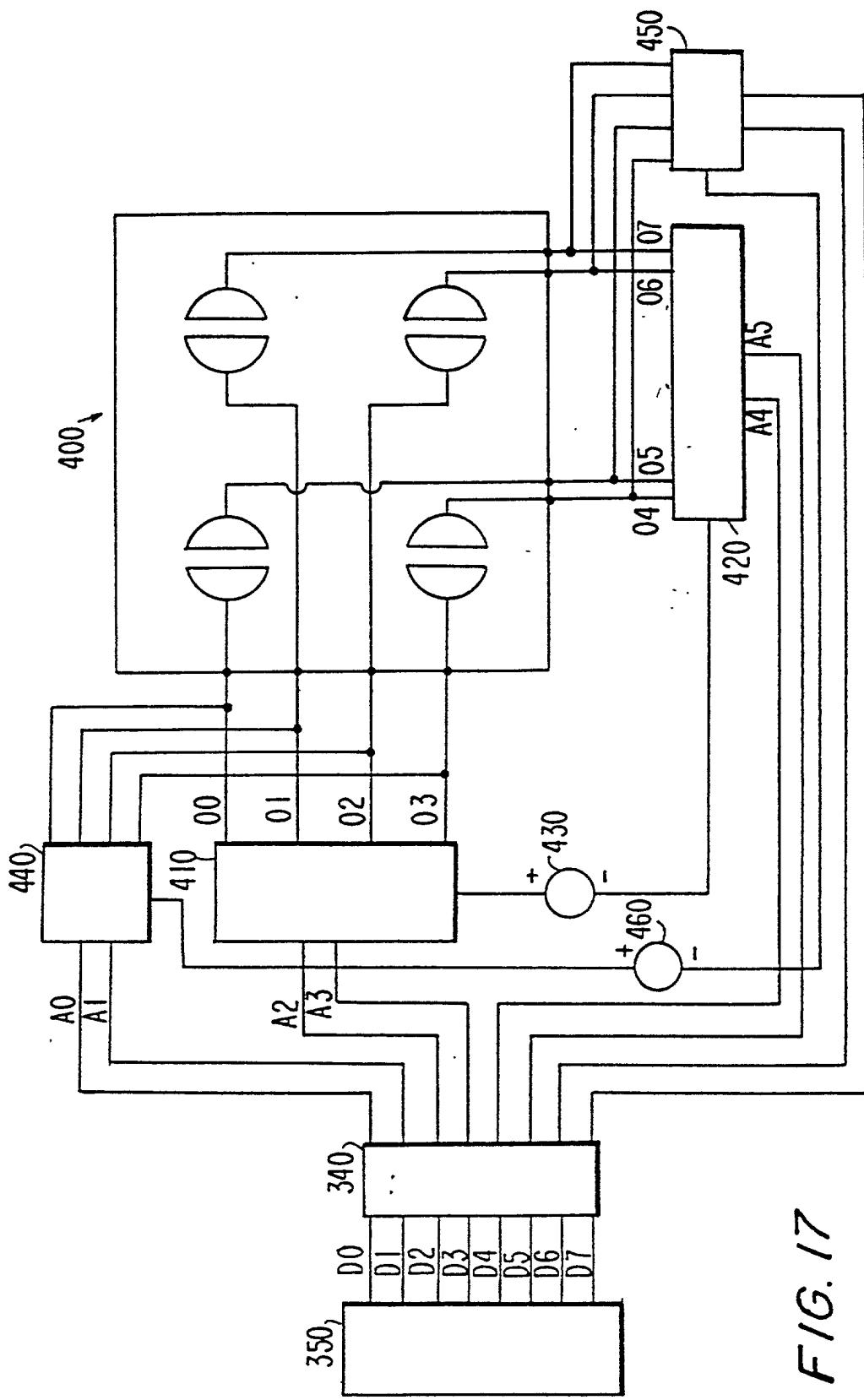


FIG. 17

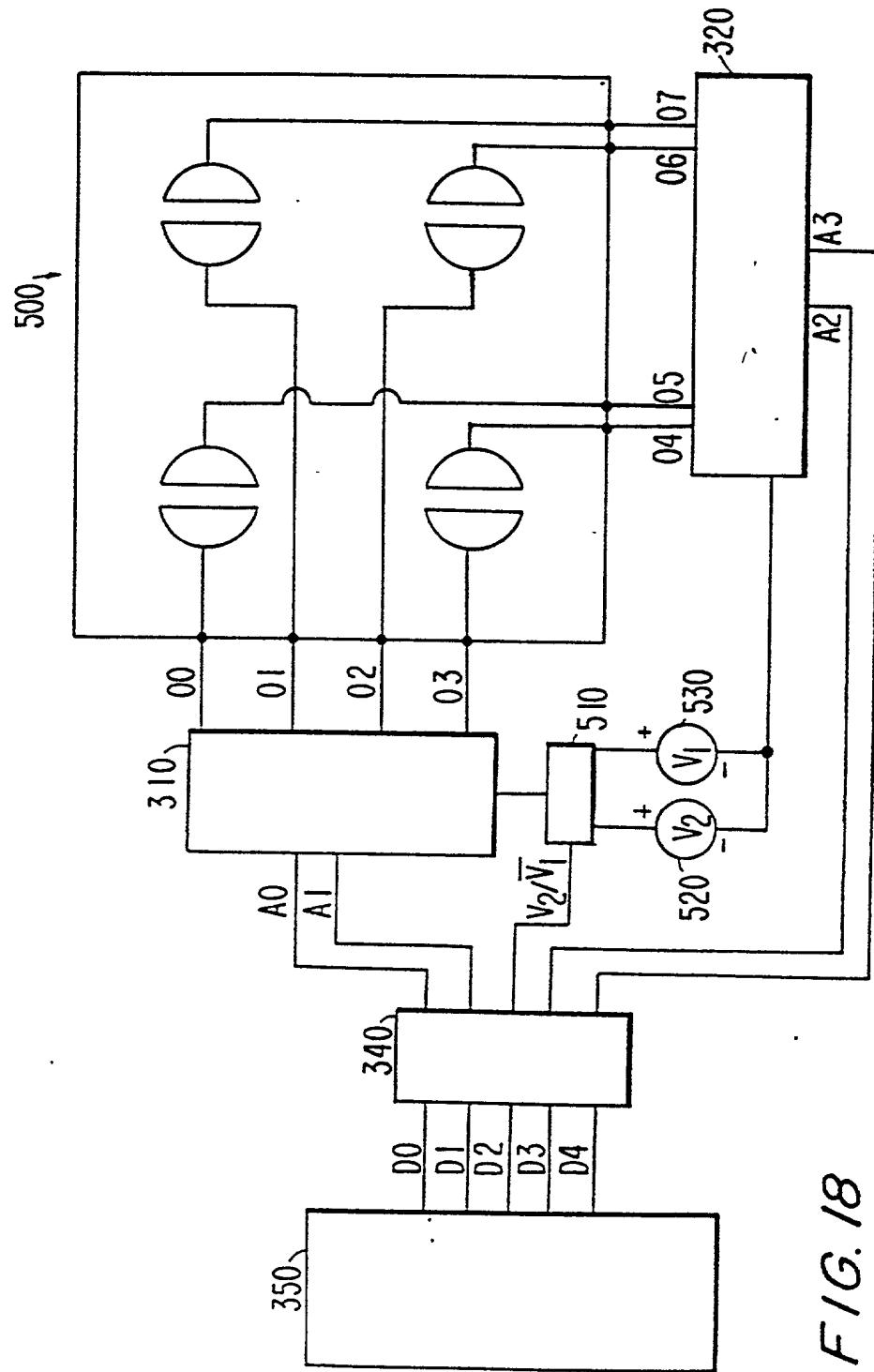


FIG. 18



FIG. 19a

FIG. 19b



FIG. 19c



FIG. 19d



FIG. 19e

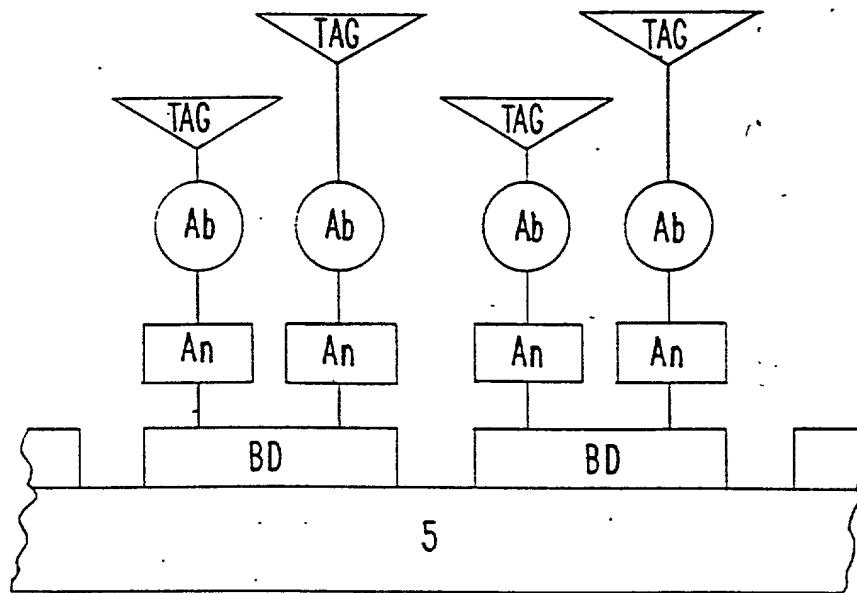


FIG. 20

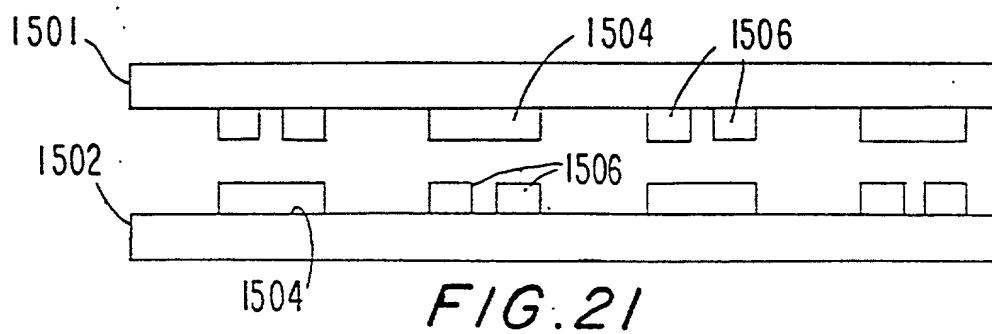


FIG. 21

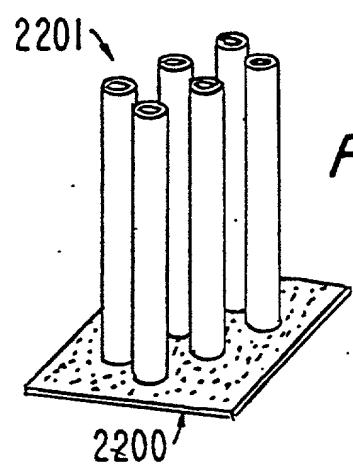


FIG. 22A

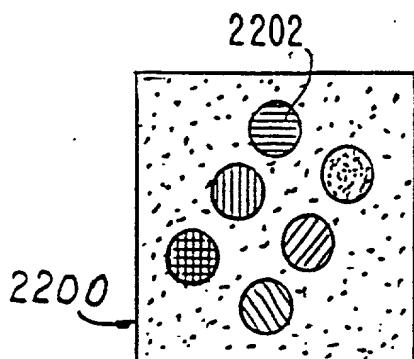


FIG. 22B

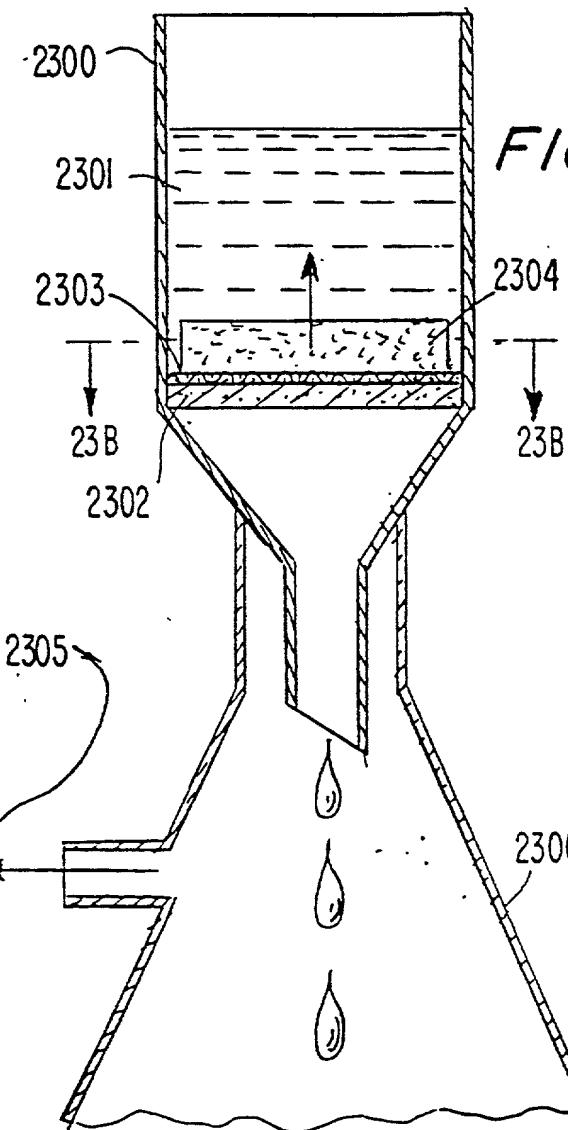


FIG. 23A

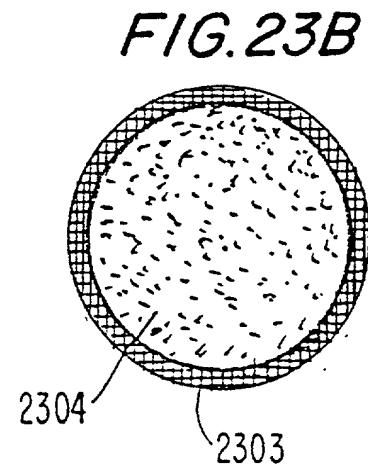


FIG. 23B

13

FIG. 24

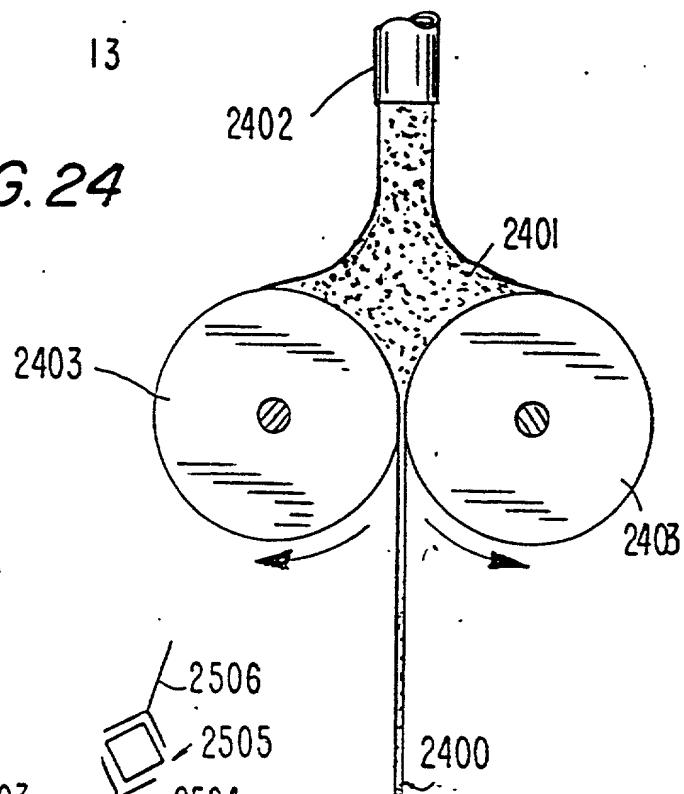


FIG. 25

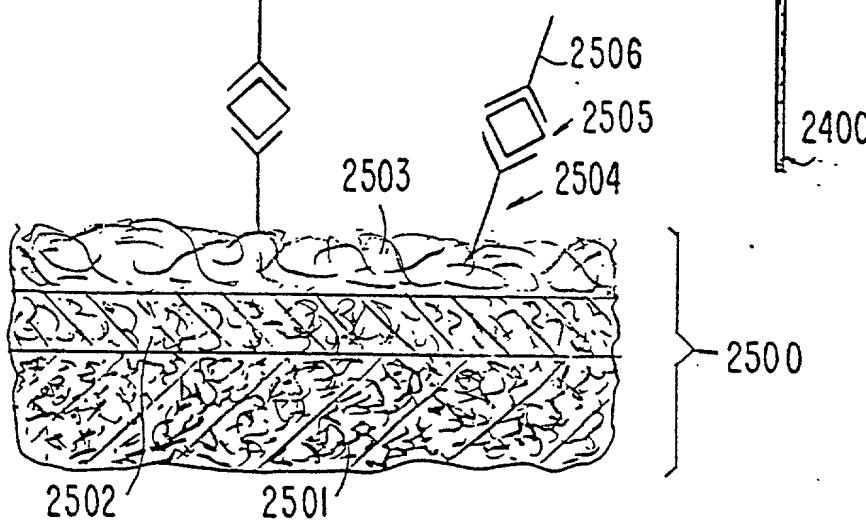


FIG. 26

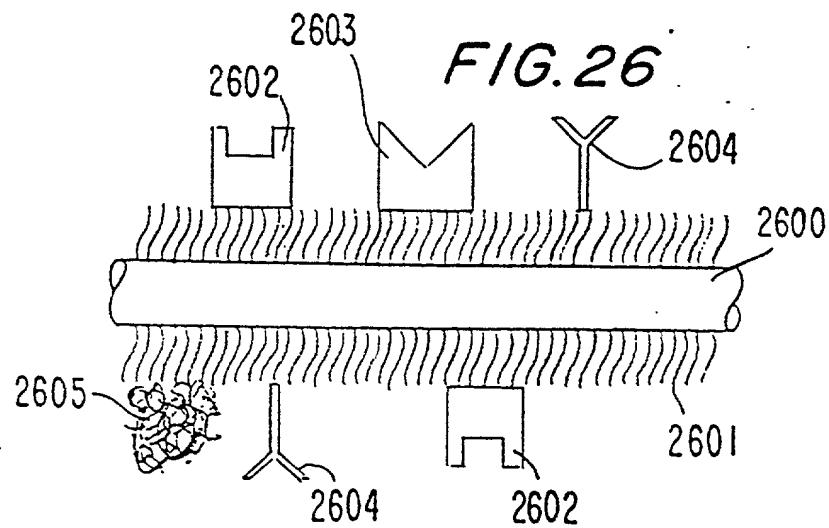


FIG. 27

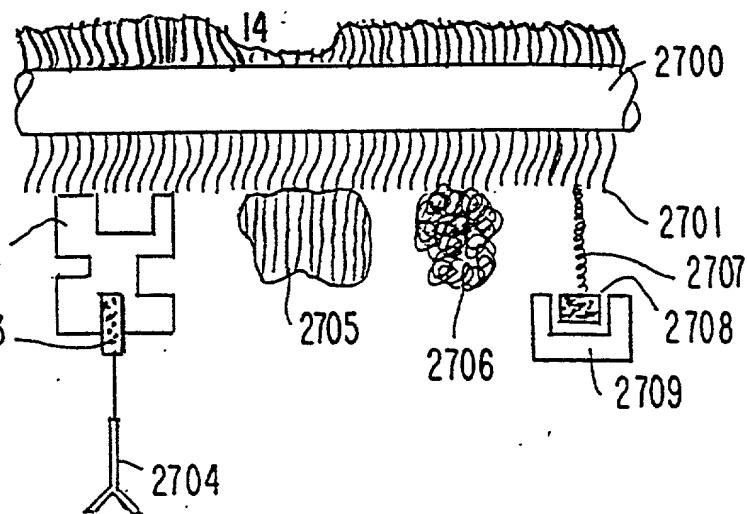


FIG. 28

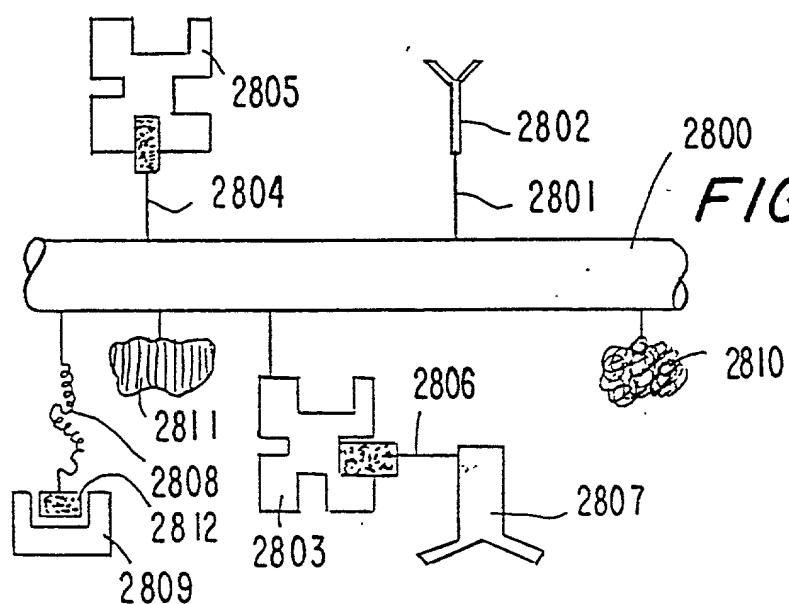


FIG. 29

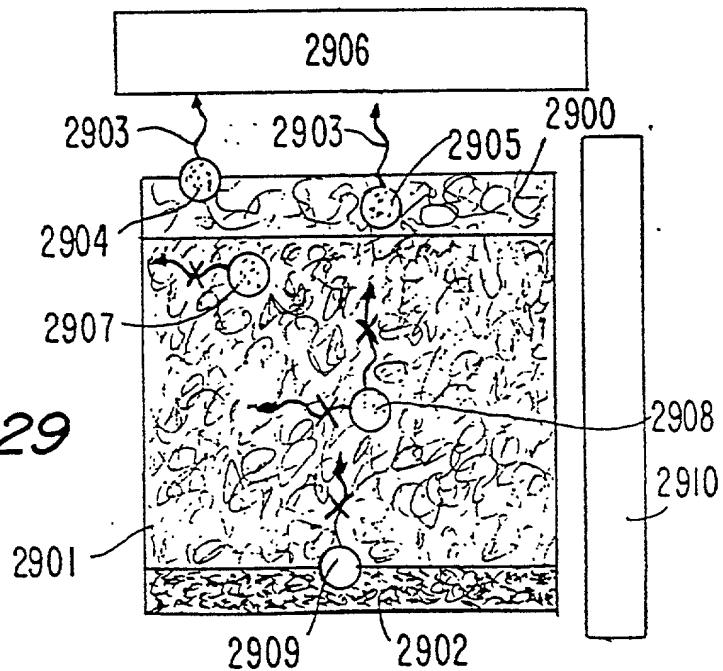


FIG. 30A

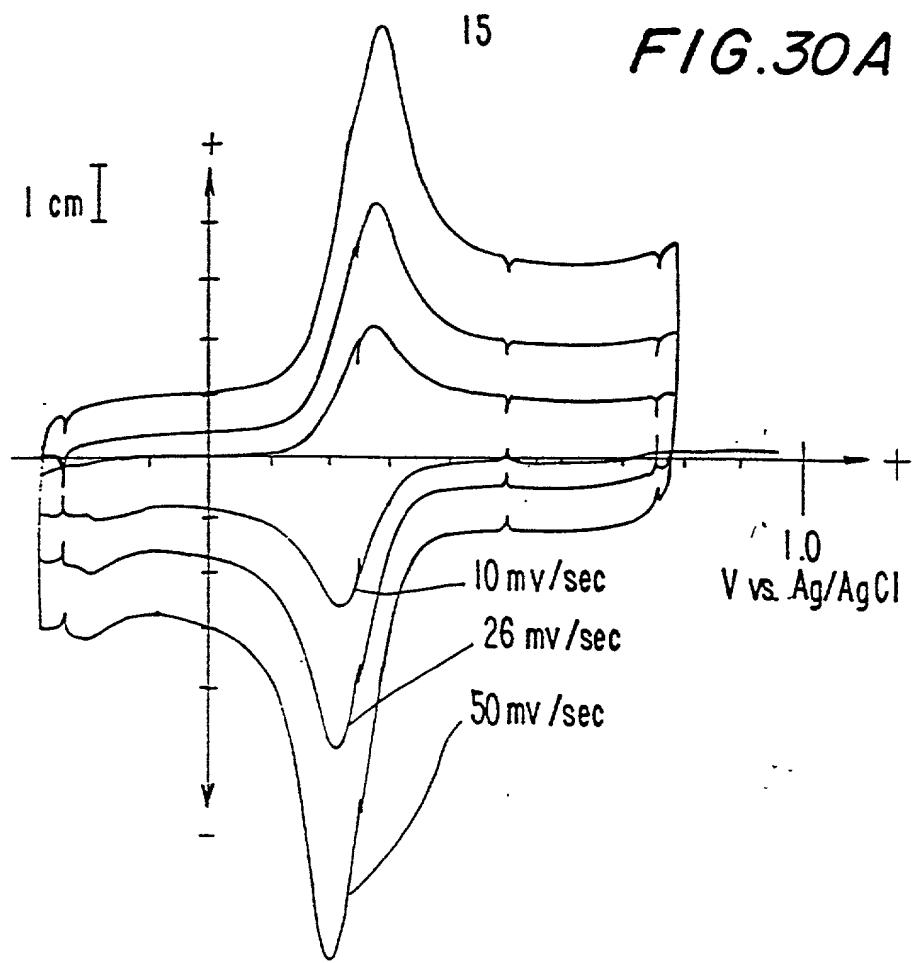


FIG. 30B

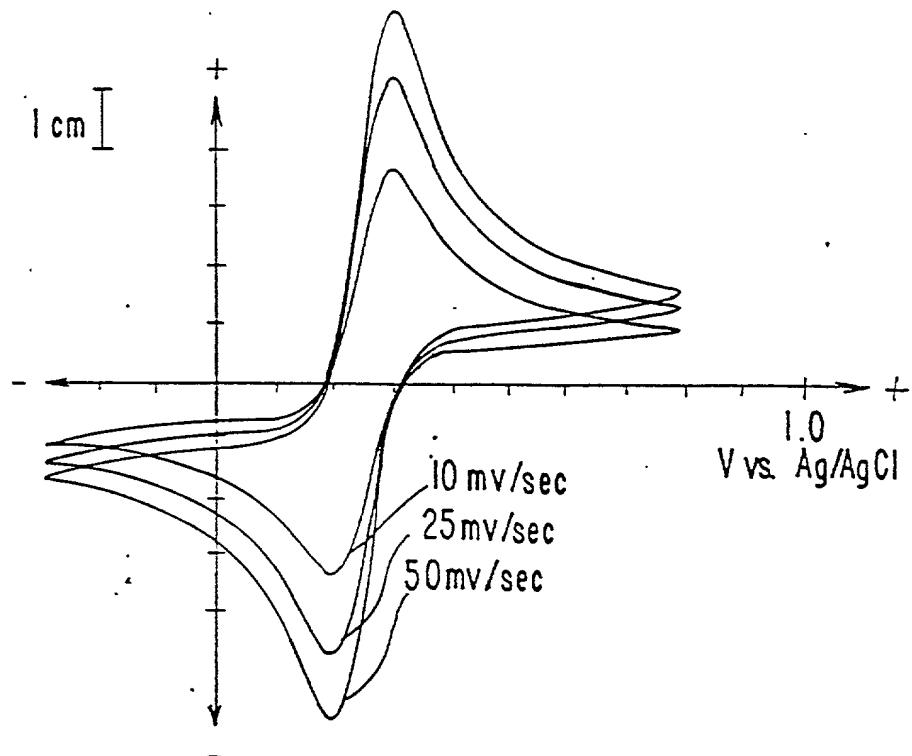
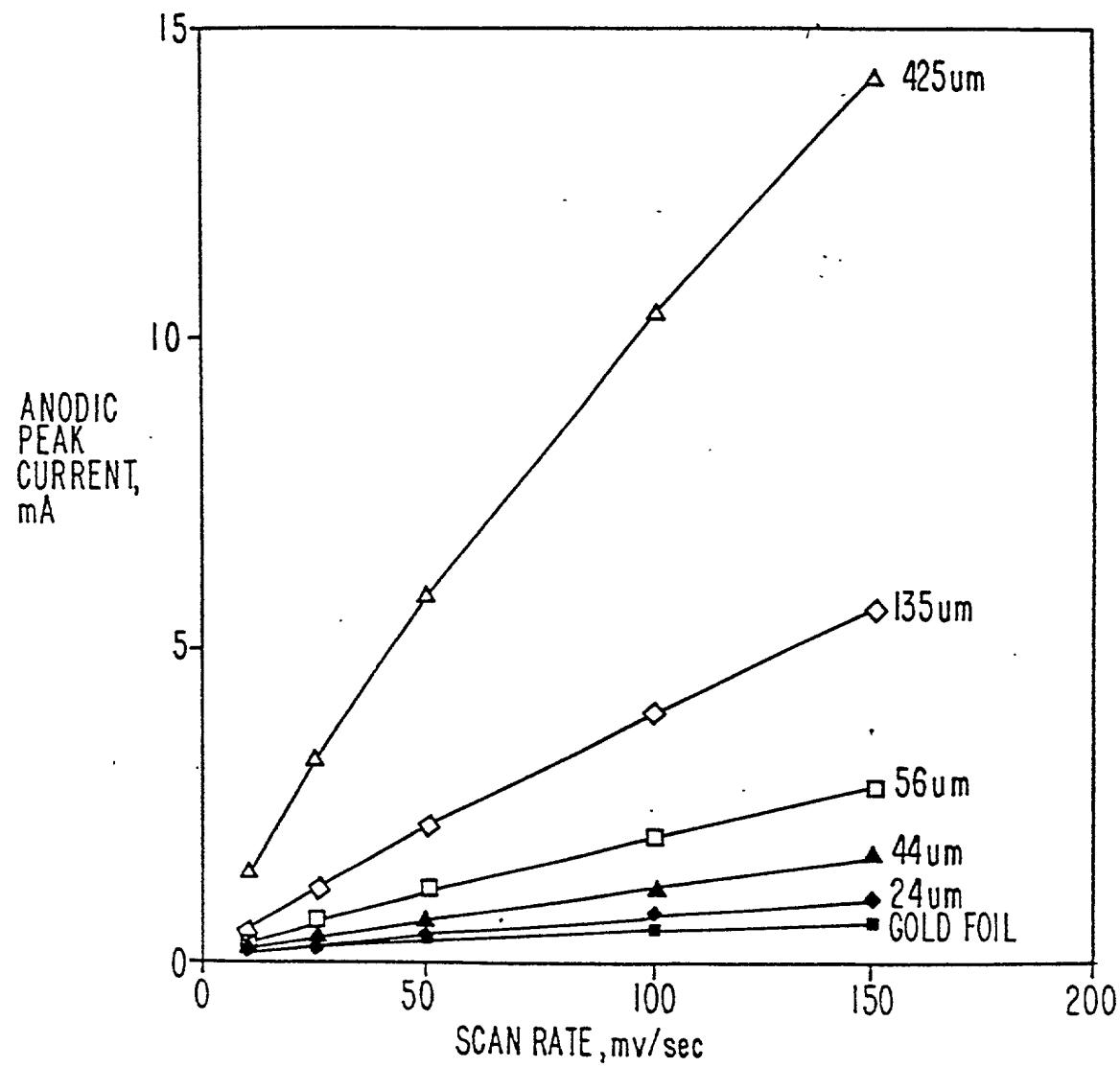


FIG. 31



ECL PEAK INTENSITY

FIG. 32

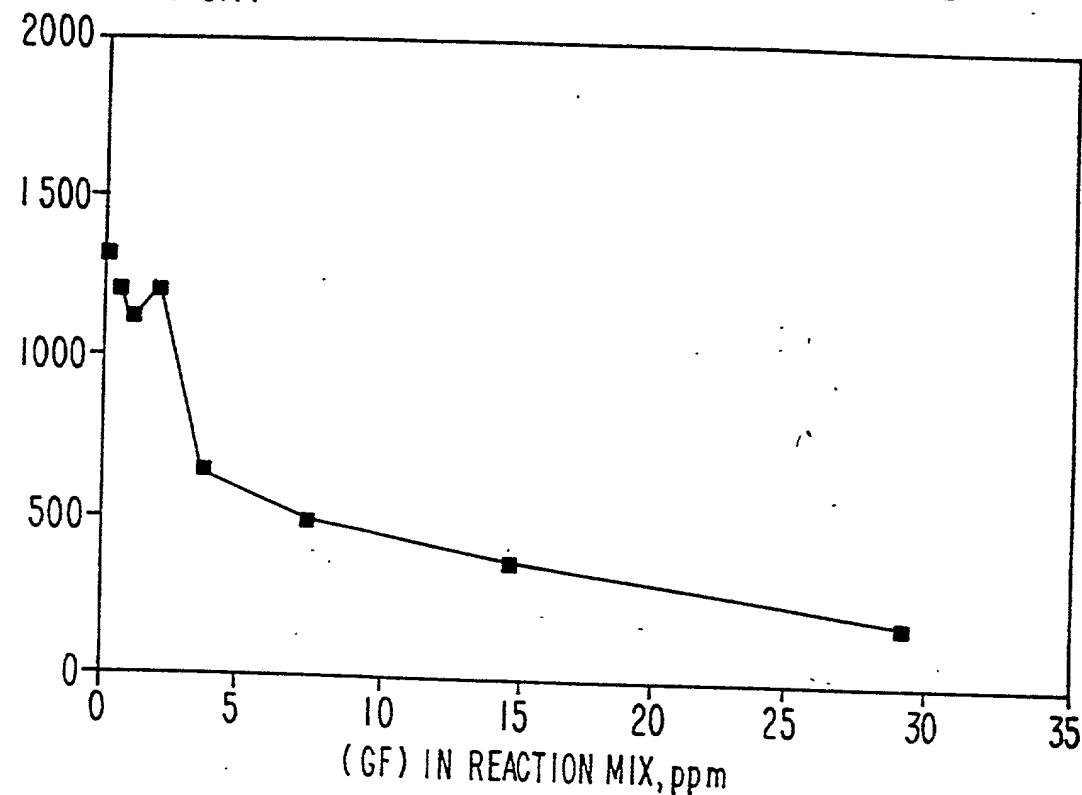
ECL PEAK INTENSITY
OF SUPERNANTANT

FIG. 33

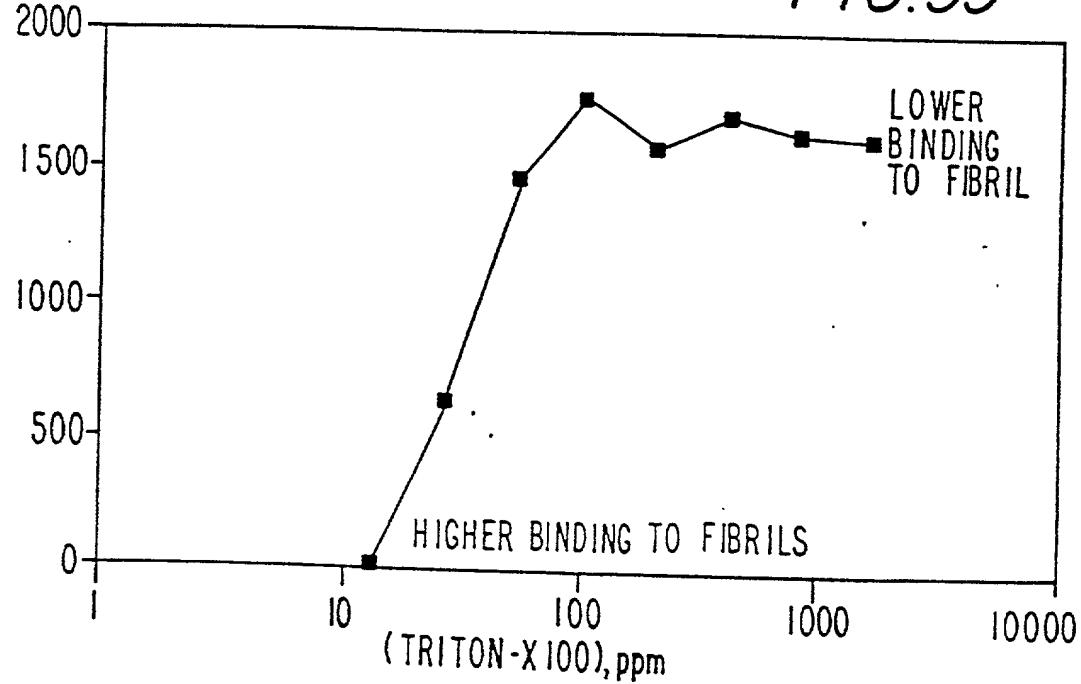


FIG. 34

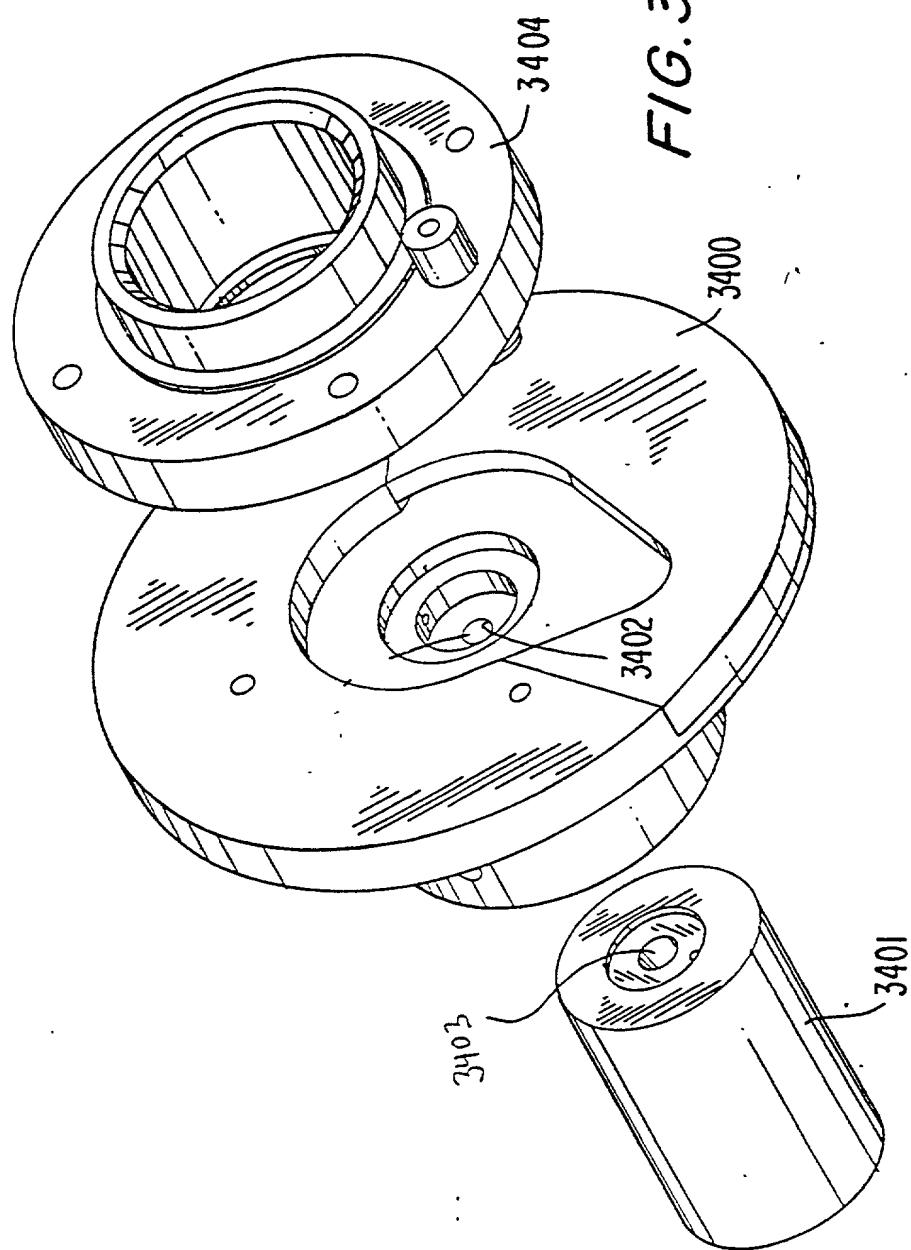


FIG. 35

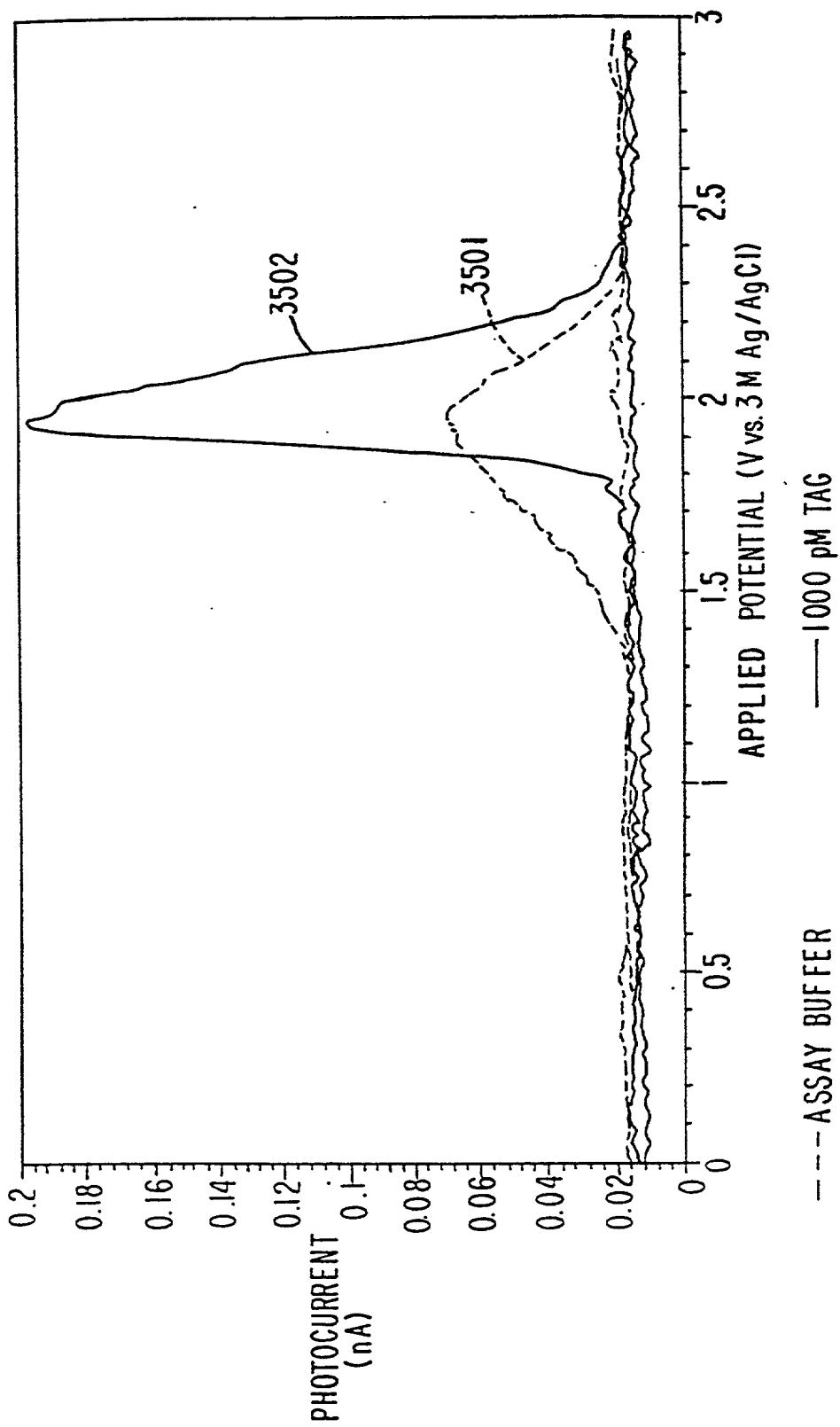


FIG. 36

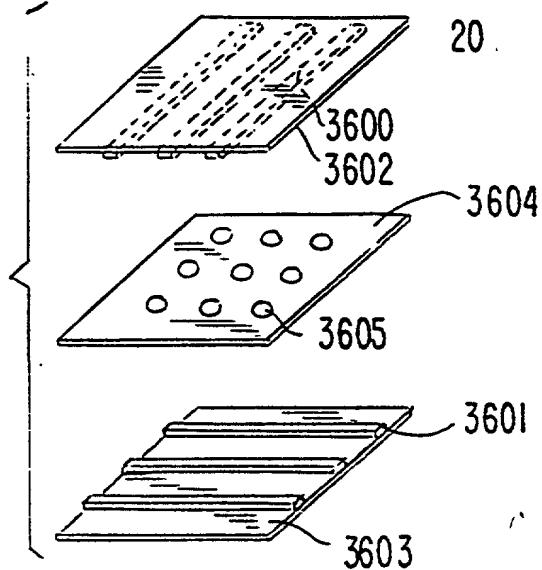


FIG. 37

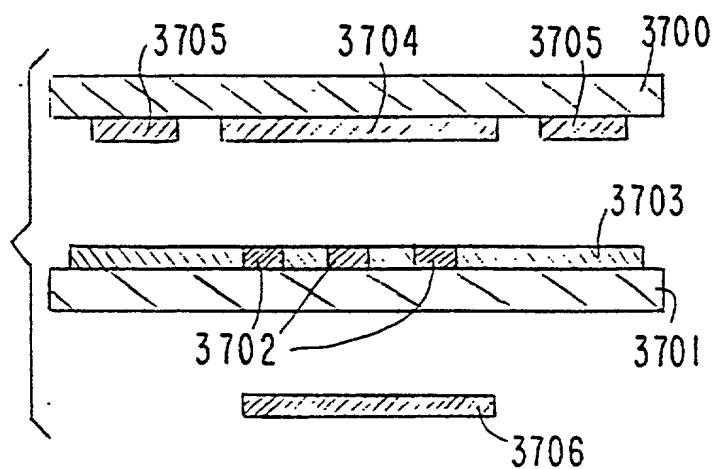


FIG. 38

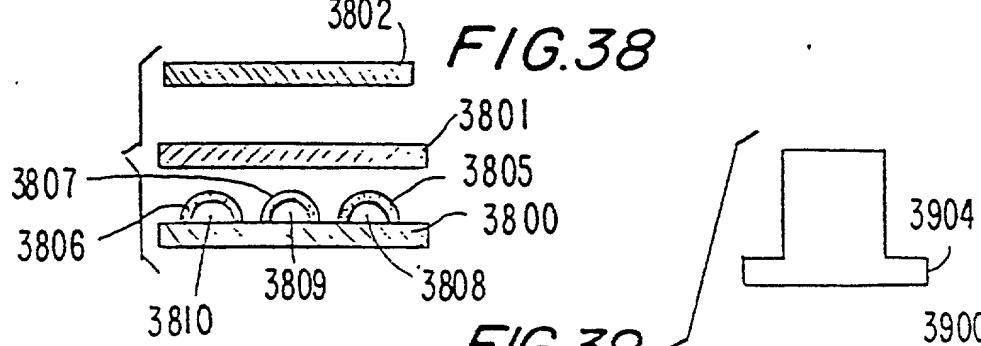


FIG. 39

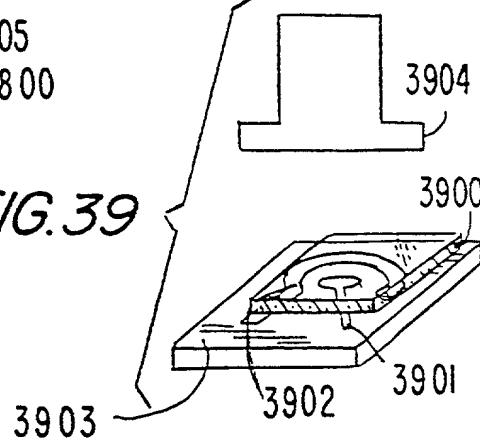


FIG. 40 21

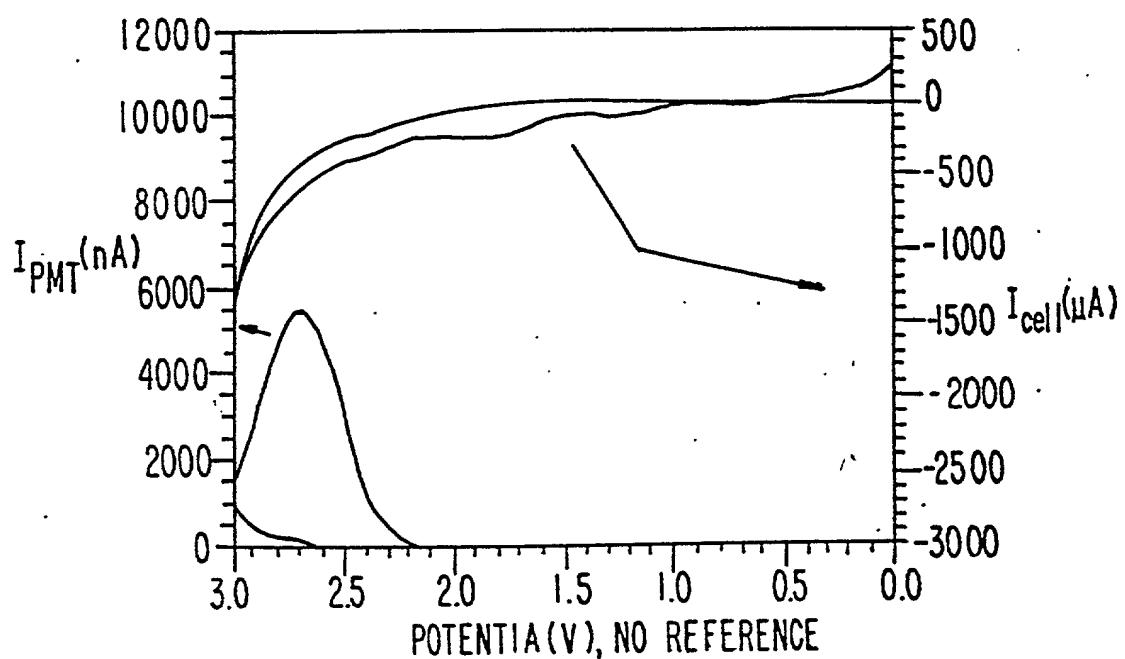
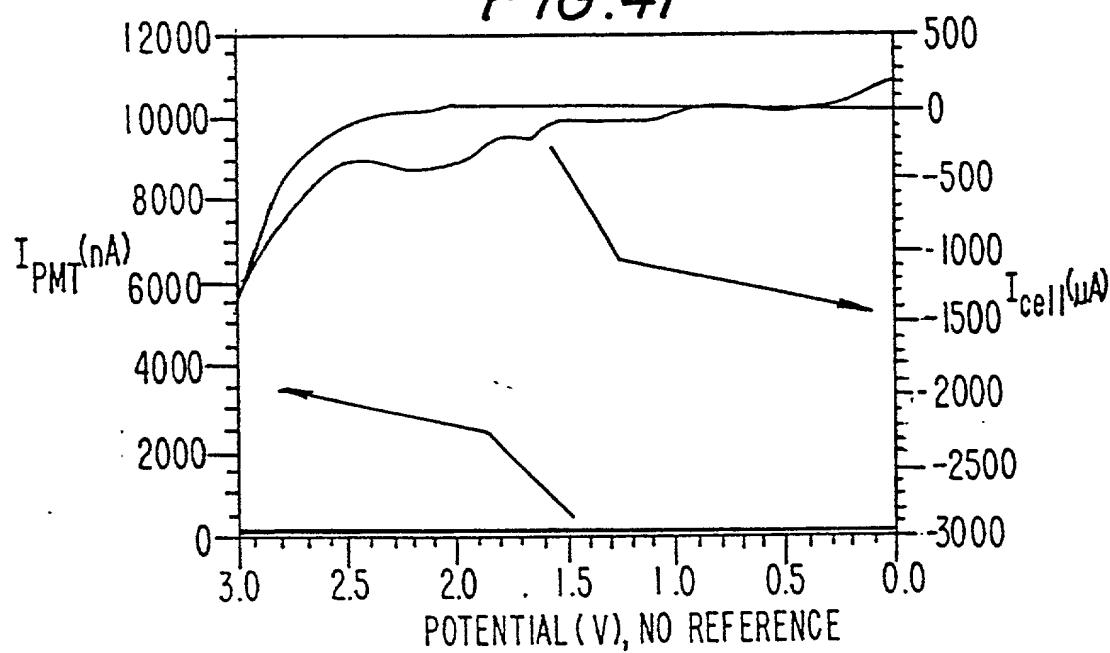


FIG. 41



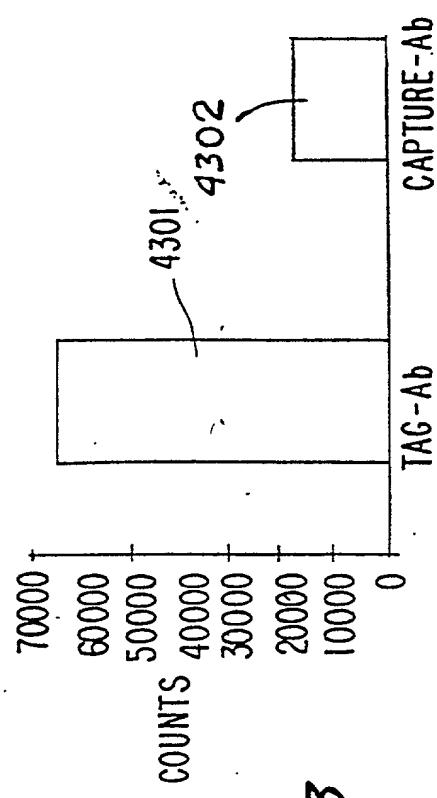
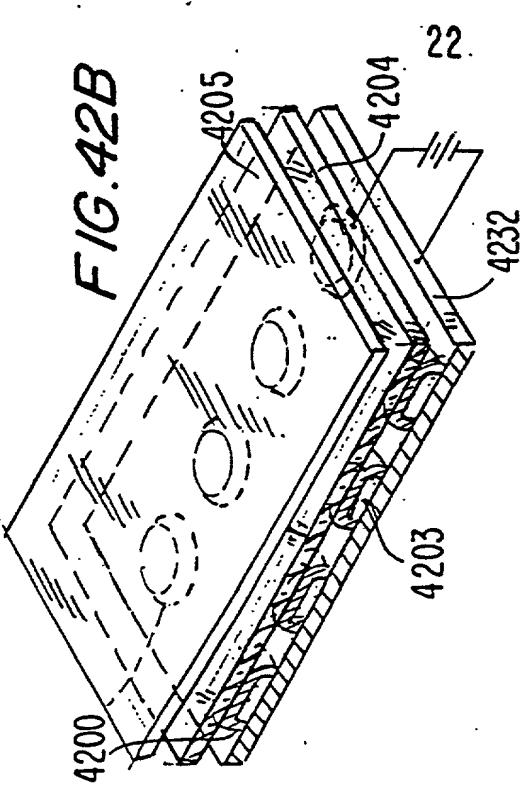
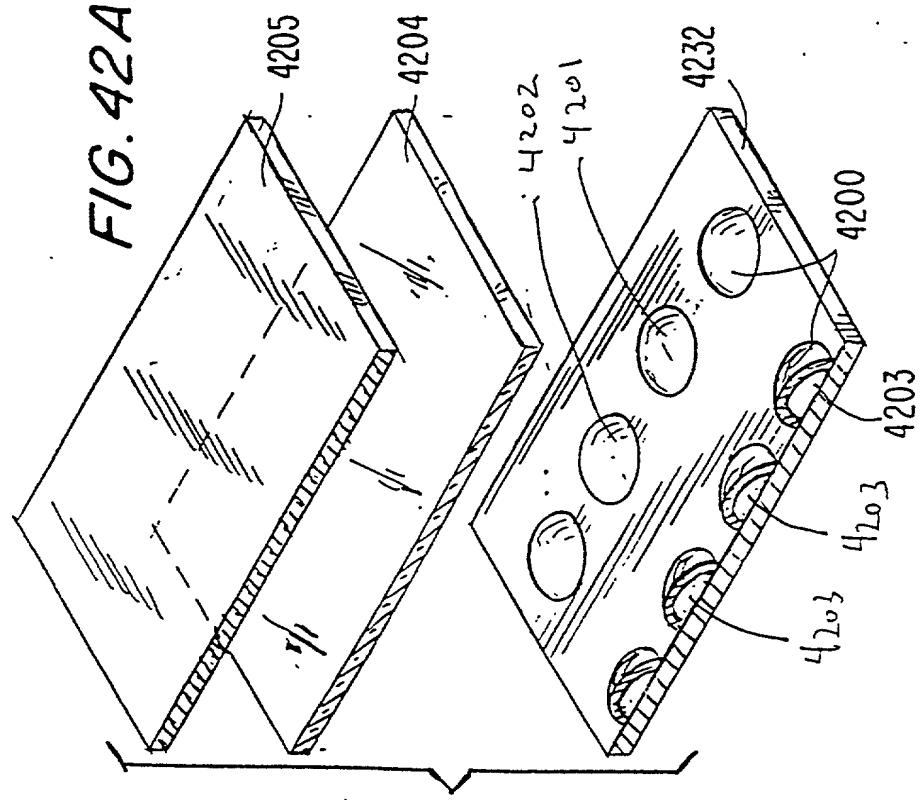


FIG. 44A

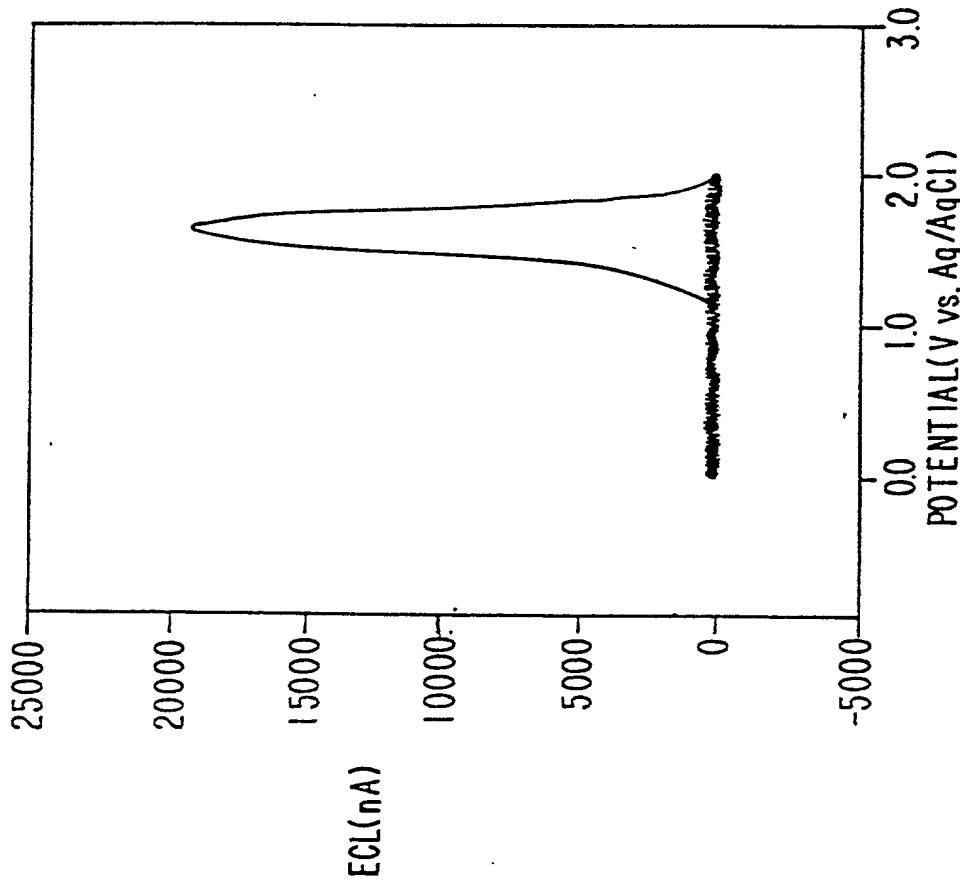


FIG. 44B

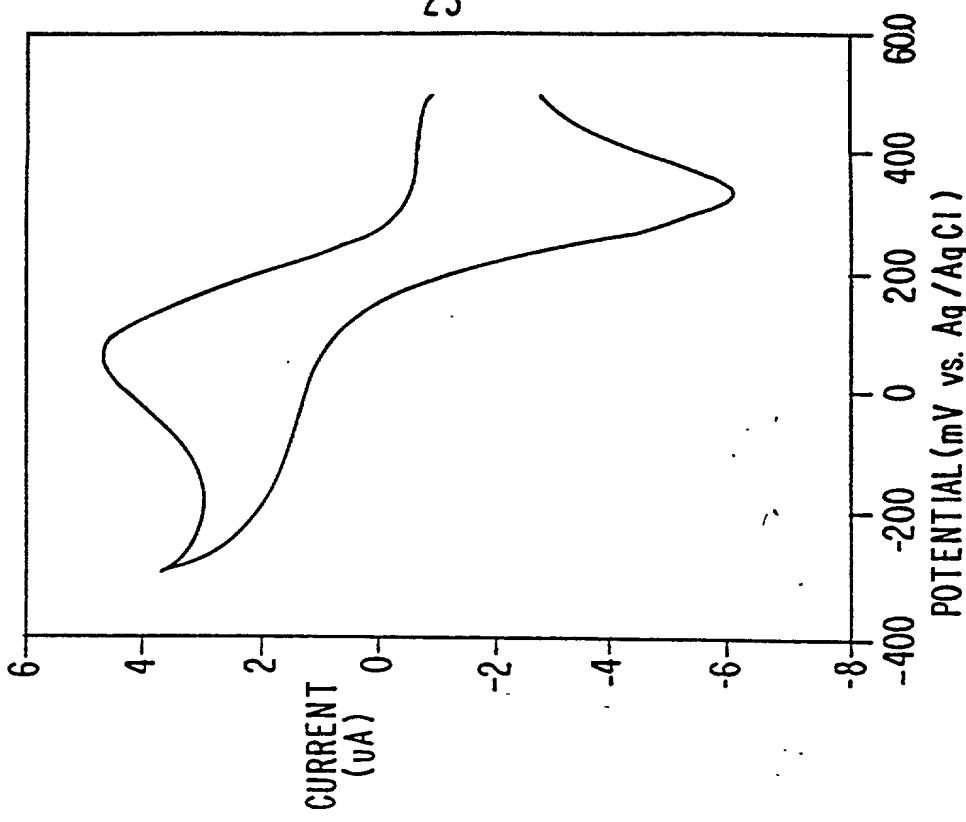


FIG. 45A

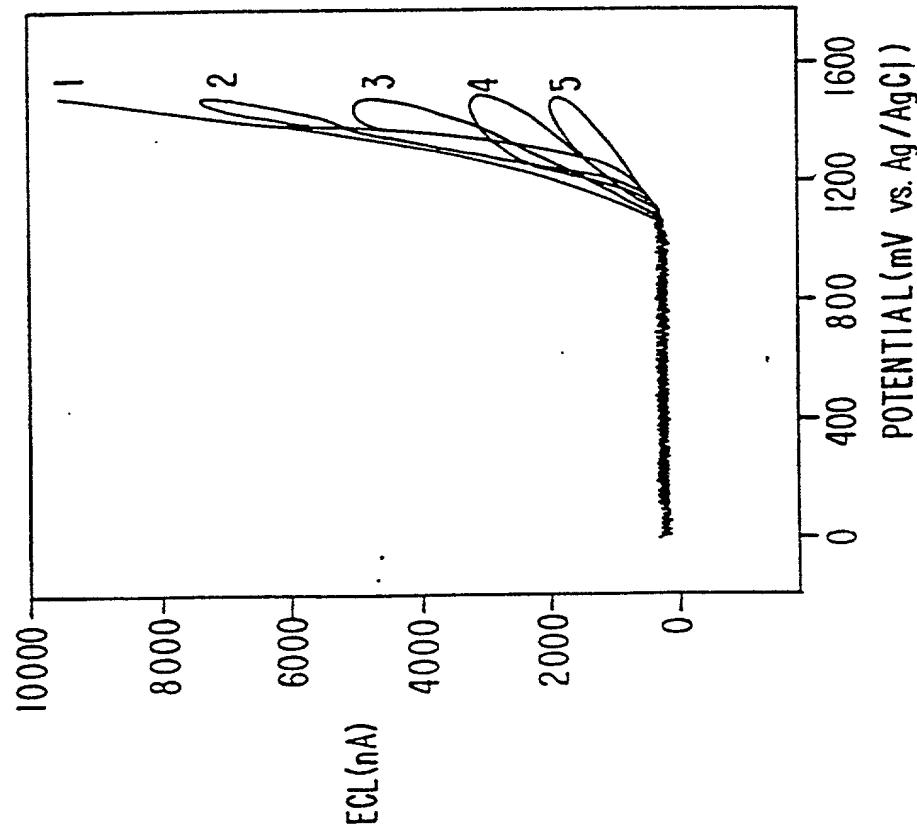


FIG. 45B

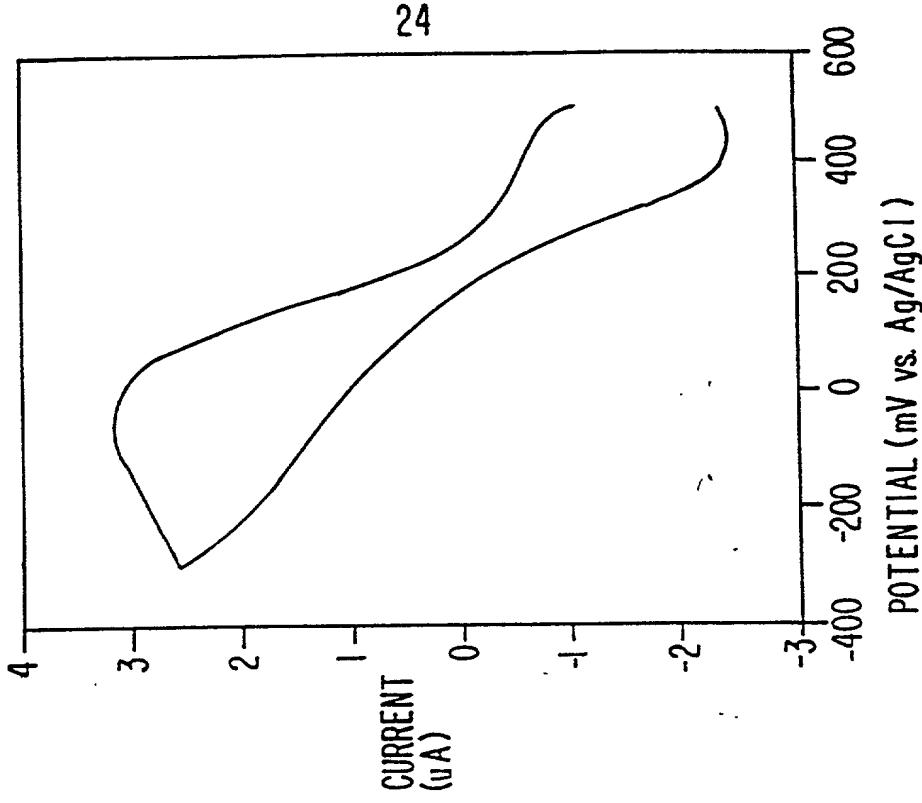


FIG. 46A

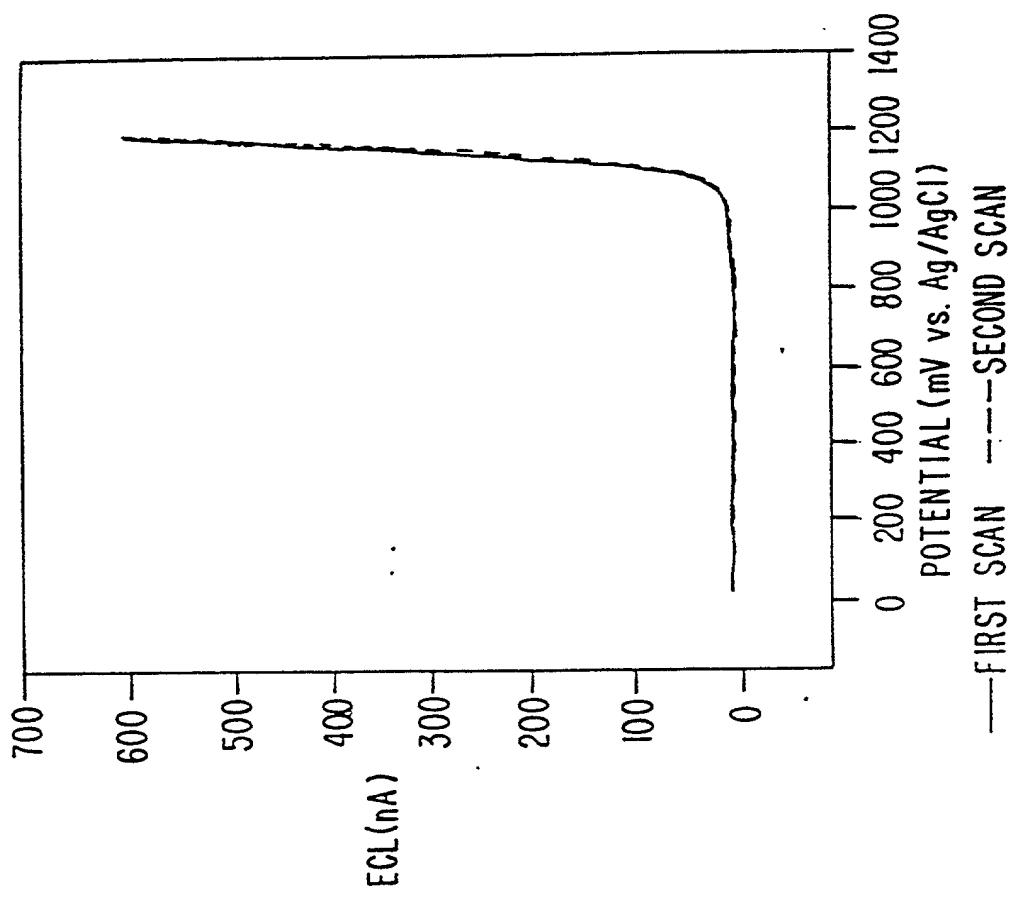


FIG. 46B

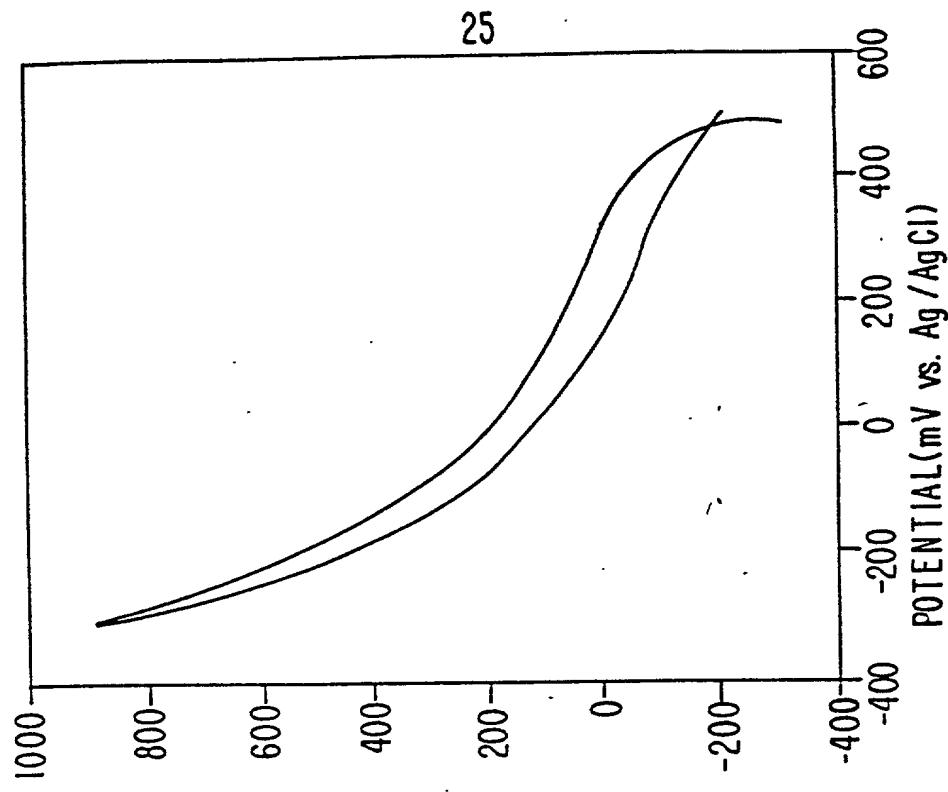
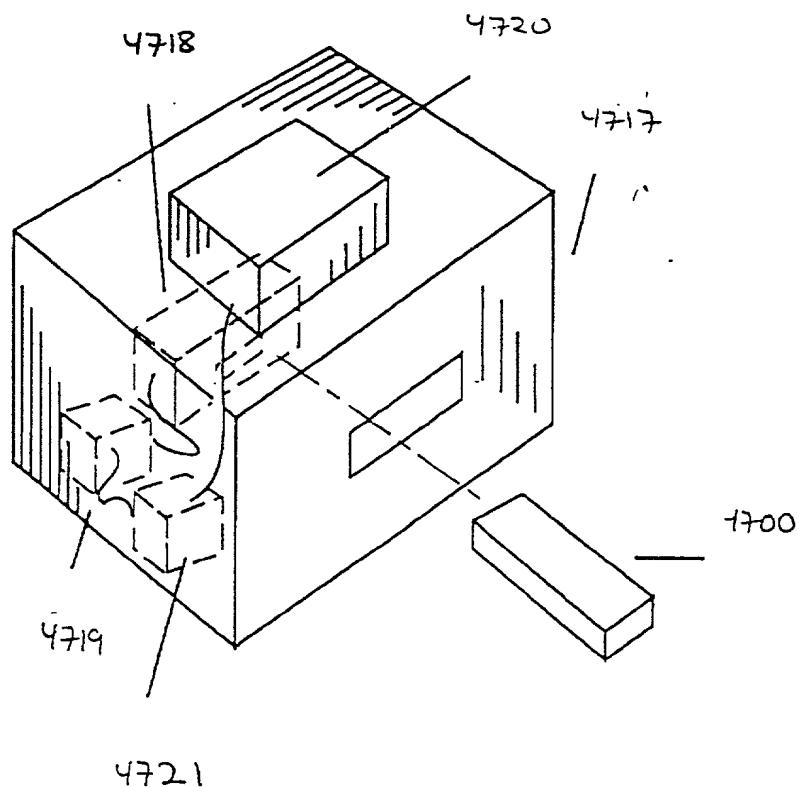


Figure 47



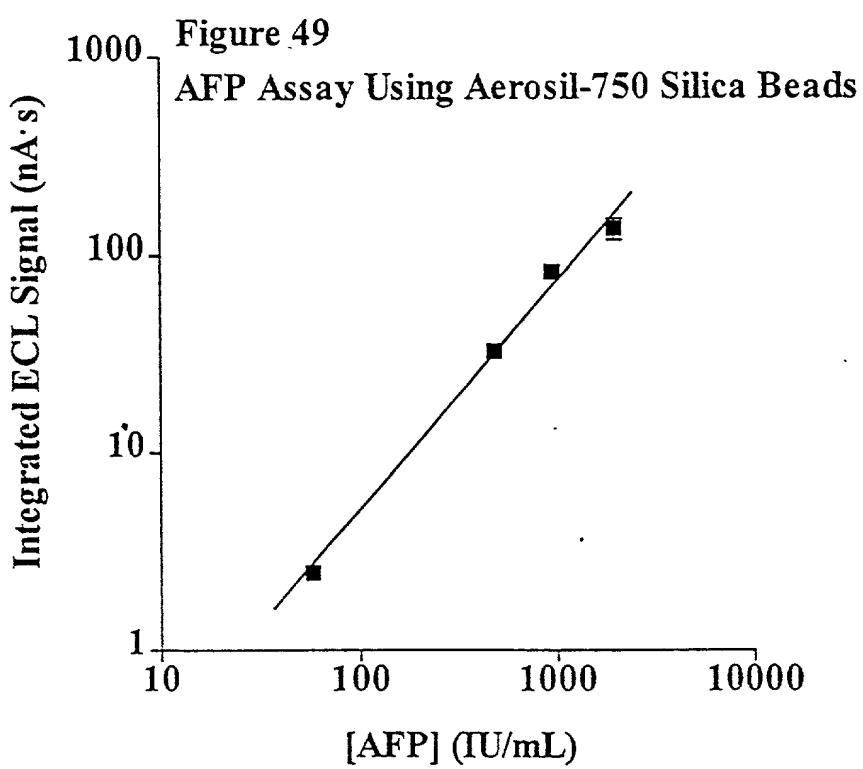
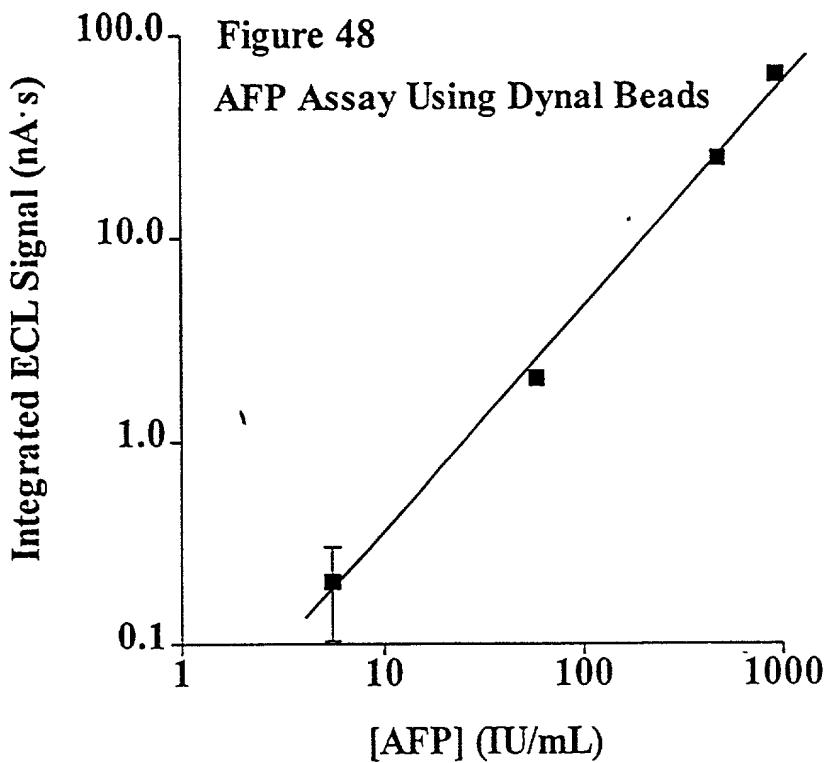


Figure 50

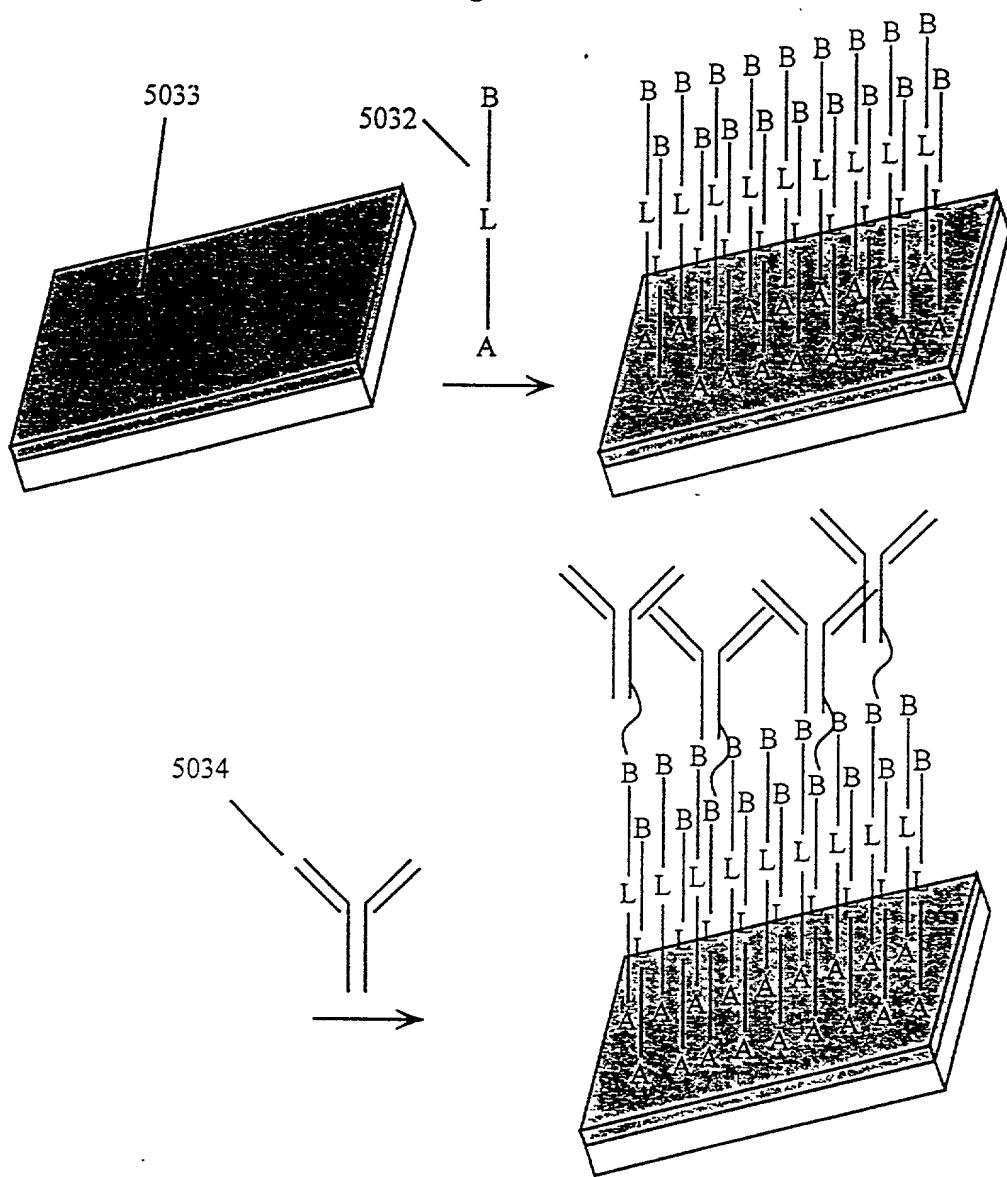


Figure 51

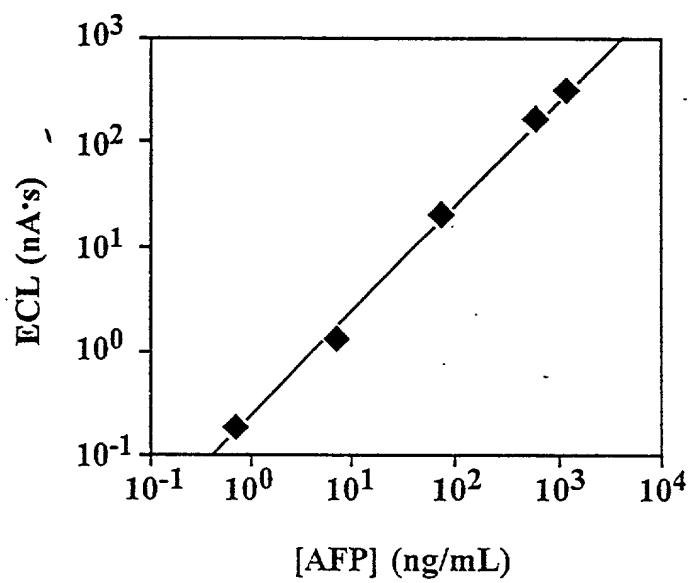


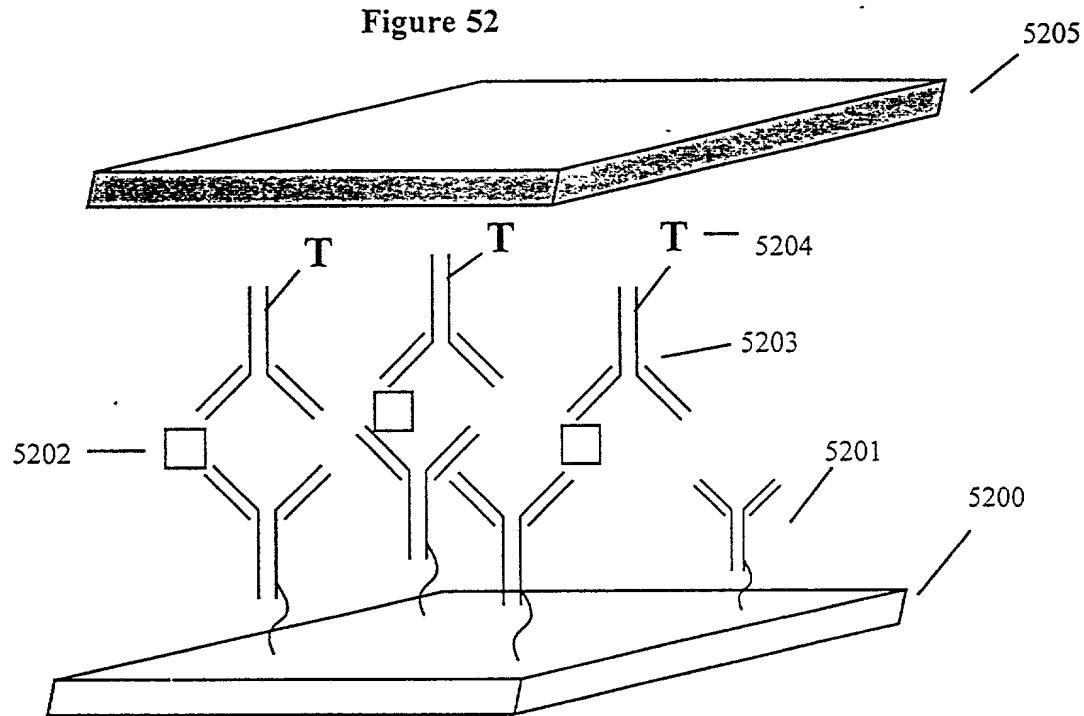
Figure 52

Figure 53

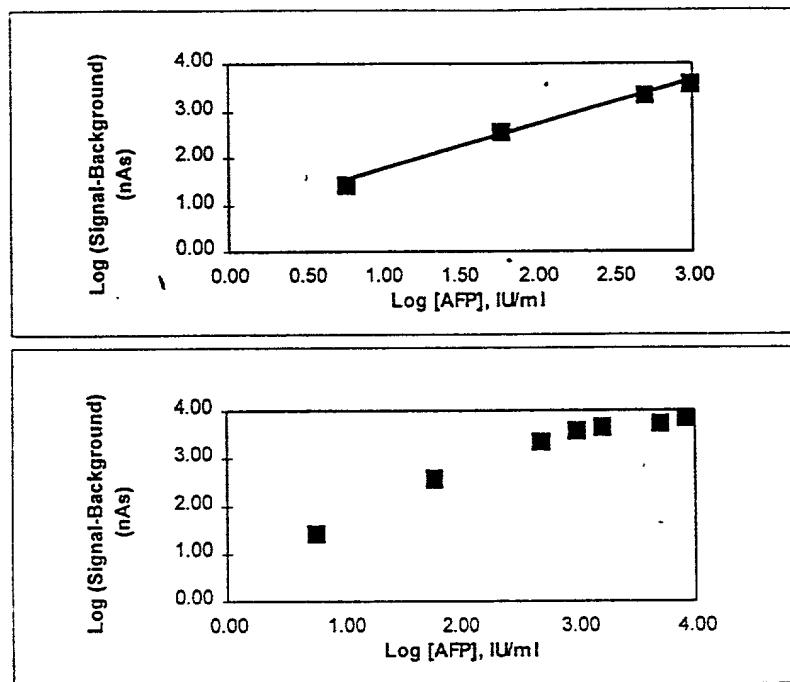
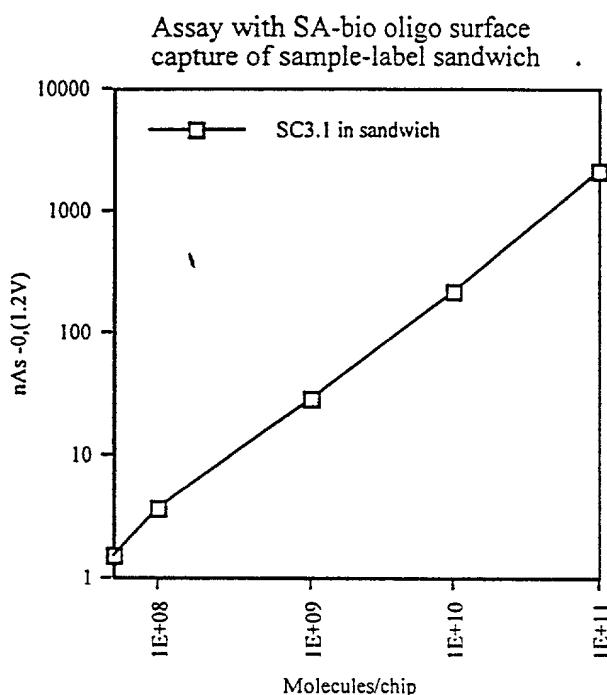
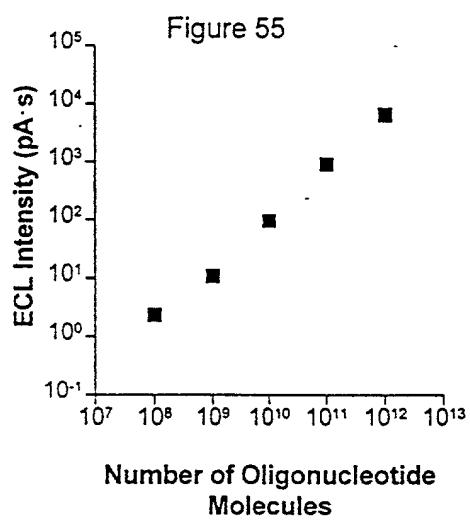


Figure 54





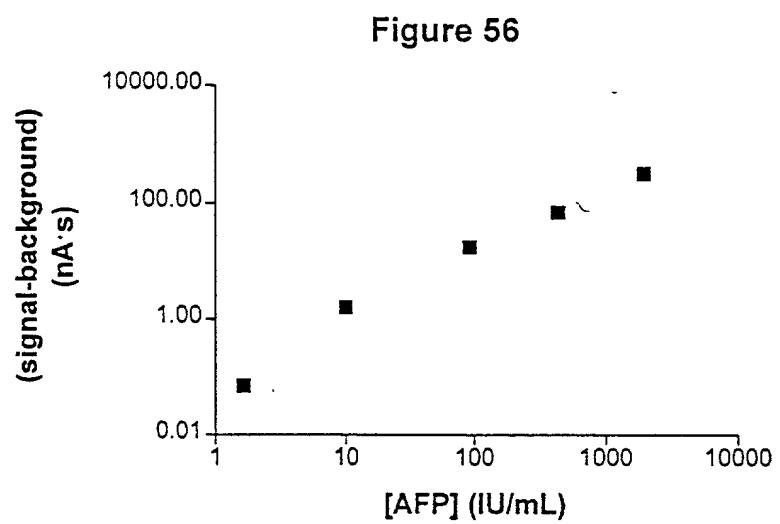
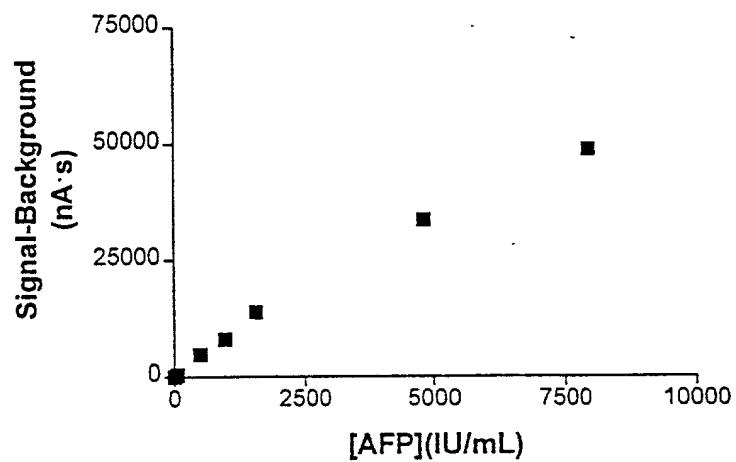
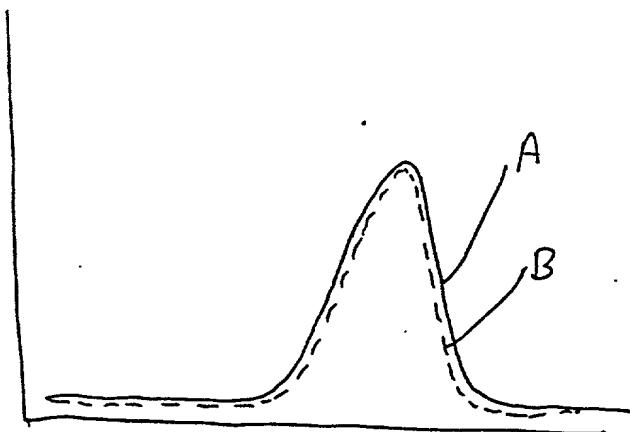


Figure 57

(A)

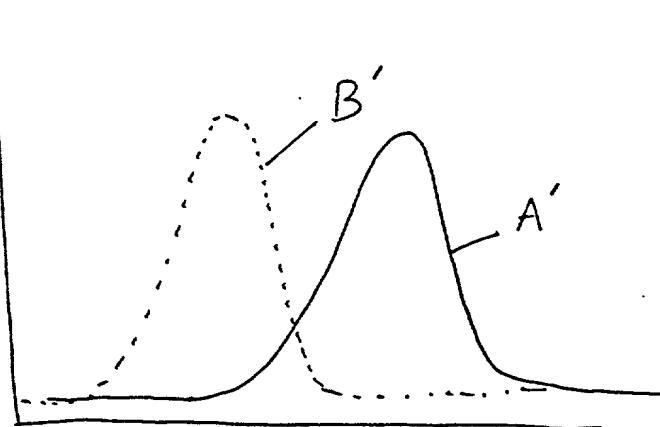
ECL
Signal



Electrochemical
Potential

(B)

ECL
Signal



Electrochemical
Potential

Figure 58

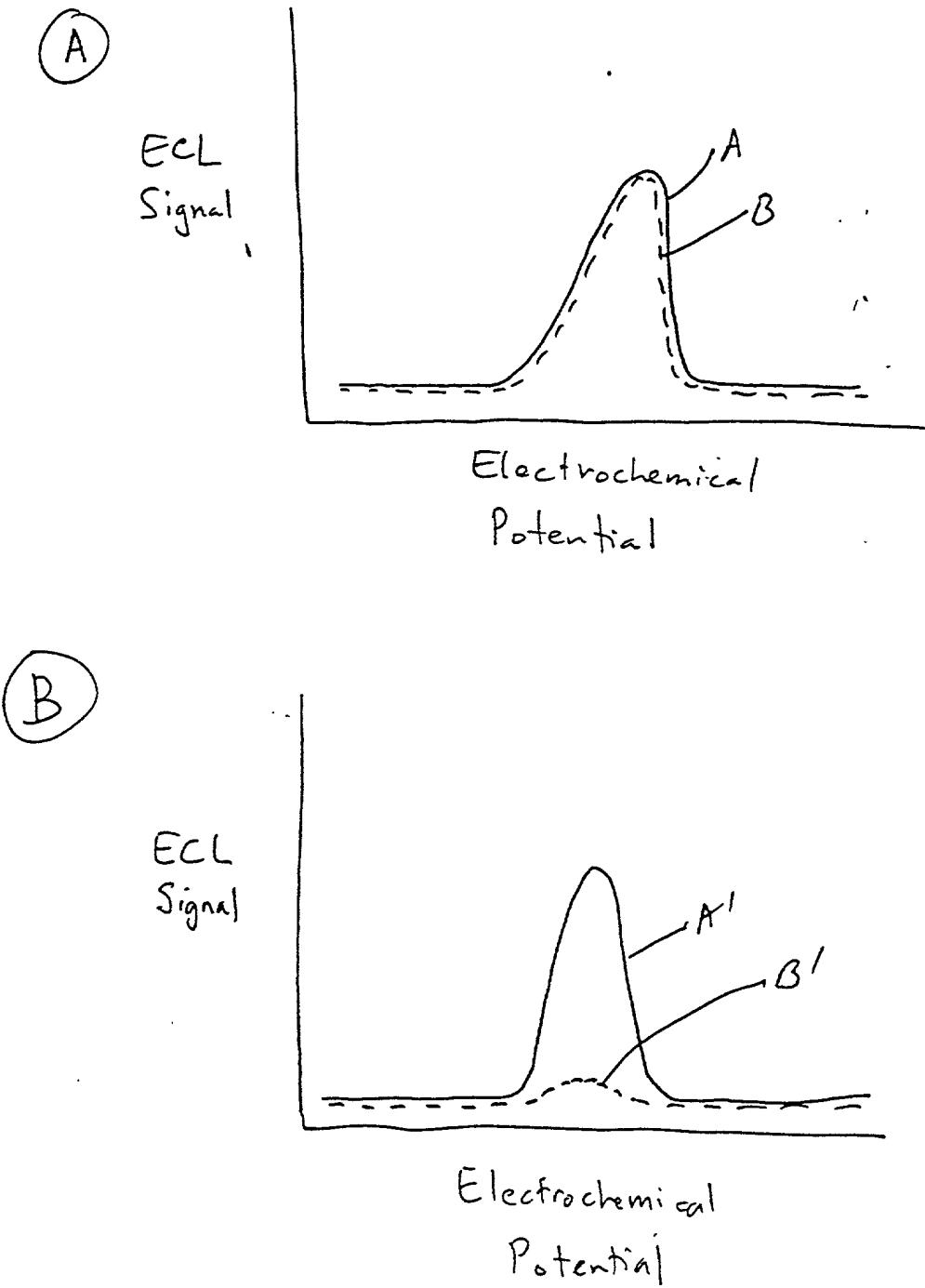


Figure 59

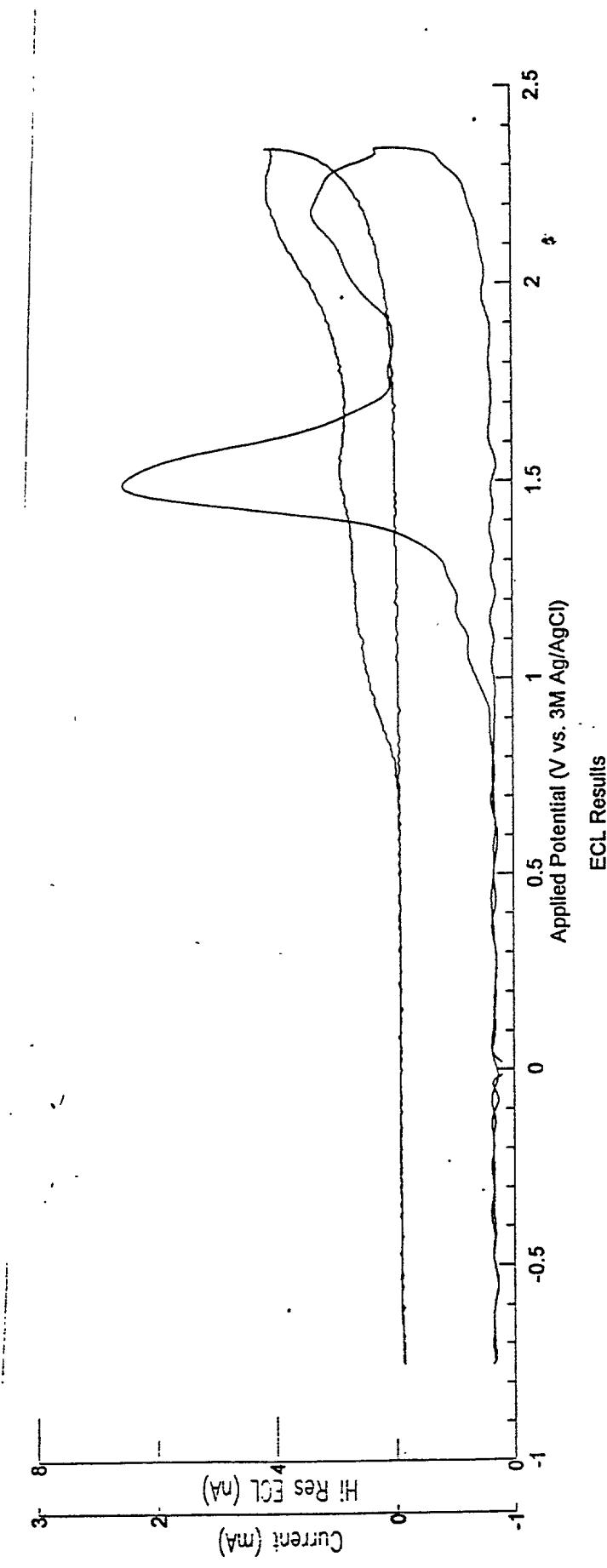


Figure 60

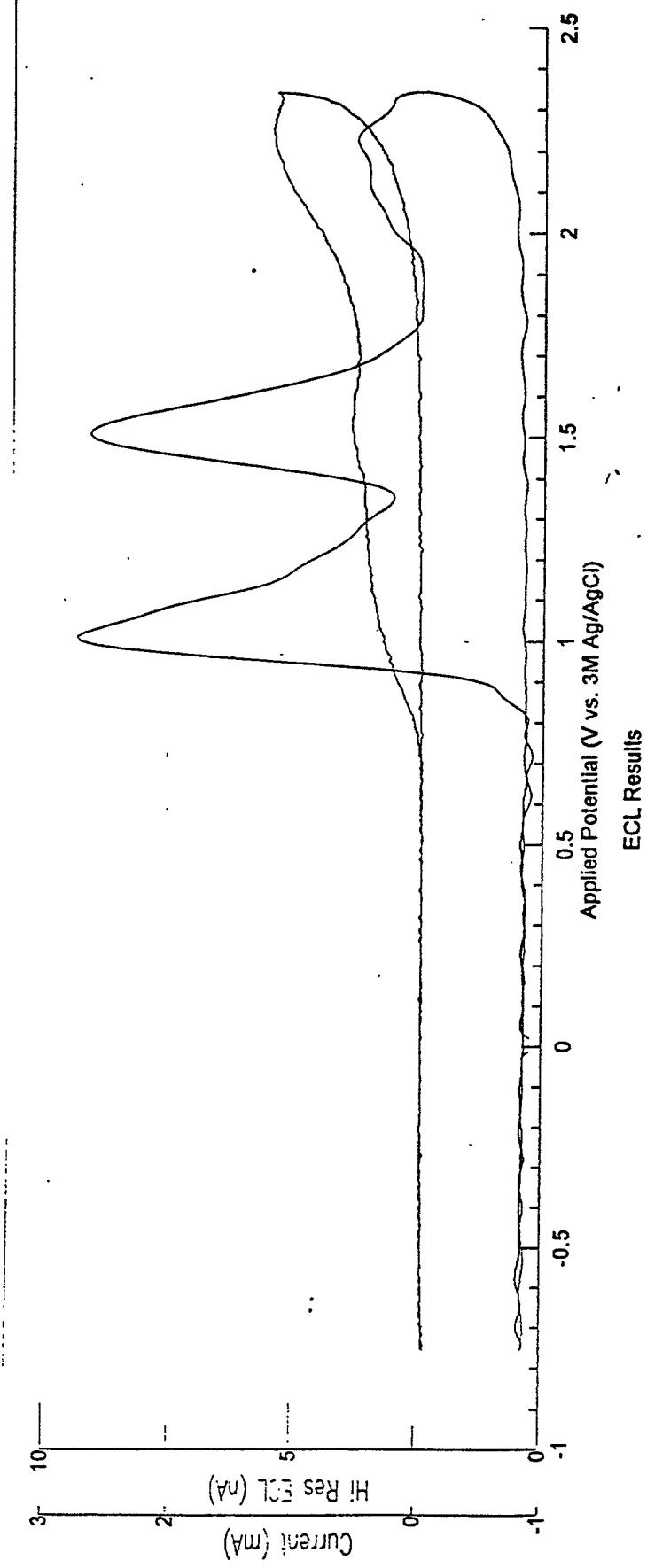


Figure 61